# Soaring Magazine Index for 1990 to 1999/1990to1999 organized by issue

The contents have all been re-entered by hand, so there are going to be typos and confusion between author and subject, etc...

Please send along any corrections and suggestions for improvement.

Department, Columns, or Sections of the magazine are indicated within parentheses '()'.

Subject, and sub-subject, are indicated within square brackets '[]'.

### 1990

# January

Tim Cislo, John Ross Soars Above Kaena Point, Oahu in Honolulu Soaring Club's Schweizer 2-32 (note Horizon Curvature) (Covers)

Les Sebald, Dive Brakes at Issue (Letters) [Launching\Aerotow], page 2

Wallace Wilhoite, Simulated Soaring (with Microsoft Flight Simulator) (Letters) [Computers and the Internet], page 2

Kaya Zuzak, Magical Day (the First and Last at UCSD) (Letters) [Growth; Collegiate Soaring], page 3

Tom Elmore, On Trailer Hitches (Letters) [Trailers], page 3

Wade Nelson, An Aerobatic Ride at Estrella (Letters) [Aerobatics], page 3

Willie Edwards, Attention to Detail (Letters) [Literature\Fiction], page 3

Bill Hinote, Camera Comment (on Ricoh Quality) (Letters) [Photography], page 4

Ed Harmening, In Memoriam: Chuck Harris (SSA in Action) [Obituaries], page 6

Mildred P. Kohls, In Memoriam: Charles Kohls (SSA in Action) [Obituaries], page 6

Pete Williams, SLSPA Incorporation (SSA in Action) [Self Launching Sailplane Pilot's Association (SLSPA)], page 6

Pete Williams, US Team to Enter 1990 1st World Motorgliding Championships (SSA in Action) [Competitions\World\US Team], page 6

(1989) Region 6 North Contest (Ionia, MI) (SSA in Action) [Competitions\Regional], page 6

New SSA State Governor Named (SSA in Action) [Soaring Society of America], page 6

Region 11 Soaring Championships July 1-5 1989 (Minden, NV) (SSA in Action) [Competitions\Regional], pages 9-Jan

Results of Election for SSA Directors (SSA in Action) [Soaring Society of America], page 12

Attention, Are You Ready.. for FAA Required Drug Testing? (SSA in Action) [Federal Aviation Administration (FAA)], page 13

Susan D. Erlenwein, Sunflower Soaring Championships (1989 Open & Auxiliary Powered Nationals, Hutchinson, KS) [Competitions\National], page 14

Bob Hurni, 1989 Silver Anniversary 1-26 Championships, (Tucson, AZ) [Affiliates, Chapters, and Clubs\1-26 Association; Sailplanes\Schweizer\SGS 1-26; Competitions\1-26], page 24

Alan K. Reeter, The 1989 15-Meter Nationals (Uvalde, TX) [Competitions\National], page 33

Andy McQuigg, The ASW-24 Pilot Report [Sailplanes\Schleicher\AS-W 24], page 43

George Thelen, Center of Gravity, Part 1 (Safety Corner) [Weight and Balance], page 48

Judy Lincoln, Perspective: (\$10 Dues Increase Justification) [Growth], page 50

Arleen Coleson, FAI Awards & Badges; State Record Rule Changes (FAI Awards) [Awards\Badges\Requirements], page 51

#### **February**

Rick Oberst and Jurgen Gries, A Bright Red Schweizer 1-35 in a Vertical Climb in the Southwest (Covers)

 $Harry\ Crandall, \textit{Hospitality Down\ Under\ (Australia)\ (Letters)\ [\textit{International} \backslash Sites],\ page\ 2}$ 

Jan Scott, Behavior Explained (Erratic Pilot Had Tumor) (Letters) [Physiology], page 2

Jonathan Beard, Can You Help Me (Brit to Find a Flying Job)? (Letters) [Solicitations], page 2

Wm. Frank Kelsey, Mystery Plane (Super Albatross) Revisited (Letters) [Sailplanes\Super Albatross; History], page 2

Malcolm Adams, Bi-Annual Surprise (Outlanding) (Letters) [Techniques\Outlandings], page 3

Mike Felske, Looking for Help (in Developing a Standardized Training Ciriculum)! (Letters)

[Instruction], page 3

Rolly Clark, Reflections on a Summer's Soaring (Wing Loading, Auxiliary Powered Sailplanes, and Growth) (Letters) [Motorgliders; Wing Loading; Growth], page 3

Robert G. Chester, *More on the Bowlus-Mitchell Flying Wing (and the Mitchell Wing B-10)* (Letters) [*History; Ultralights*], page 4

Paul S. Burgette, (Tow) Pilot to (Glider) Pilot (Letters) [Launching\Aerotow], page 5

Paul Liebenberg, More Thoughts on Motorgliding and Motorgliding Safety (Letters) [Motorgliders], page 6

Don Davis, Soaring in Russia - One Man's Opinion (Letters) [International\Sites], page 7

J.S. (Rusty) Ruskiewicz, Questions Answered (about Egypt) (Letters) [International\Sites], page 7

Jerry Finch and Bud Brown, In Memoriam: Michael Wayne Jenkins (SSA in Action) [Obituaries], page 9

Joel N. Myers, Accu-Weather Introduces New (Lightning) Graphics and Data (SSA in Action) [Meteorology\Lightning], page 9

Stalking the Mountain Wave (by Ursulia Weise) (SSA in Action) [History\International; Literature\Book Reviews; Techniques\Wave Flying], page 9

Ameriglide, Help! 45 Gliders Needed (SSA in Action) [Solicitations], page 10

Can You Identify (SSA in Action) [Sailplanes], page 10

New Trophy Announced (for Washington State) (SSA in Action) [Awards], page 10

Ralph Biesemeyer, In Memoriam: Philip A. Mortensen (SSA in Action) [Obituaries], page 11

1990 European Club Class Gliding Championships Opened to Non-Europeans (SSA in Action) [International], page 11

New Board Member (SSA in Action) [Soaring Society of America\Board], page 11

Opening of "World Class" Glider Design Competition Announced (SSA in Action) [World Class Sailplane], page 11

WGC 1993 (SSA in Action) [International], page 11

Pure Flight - Transition to Soaring (30 minutes) with Cliff Robertson (SSA in Action) [Video Tapes], page 13

Sharon R. Smith, Tehachapi Turns The 11th Annual Women's Soaring Seminar [Affiliates, Chapters, and Clubs; WSPA], page 14

Trish Durbin, Cat Among the Pigeons [Sailplanes\Celstar GA-1; Aerobatics], page 20

Ralph Koerner, Total Energy Reconsidered [Instrumentation], page 25

ILEC SB-9 Electric Back Up Variometer (New Products) [Instrumentation], page 29

Judy Lincoln, Drug Testing in Soaring [Federal Aviation Administration (FAA)], page 30

Eric Greenwell, Perspective: (Training Needs) [Instruction], page 32

Chris Hadfield, Chuck Louie, Ken Green, Rick Husband, and Nate Jones, *Is Ground Effect Worth It?* [Aerodynamics], page 33

Kurt Groenewald, An Experience of a Lifetime (in Kimberley, South Africa) [International\Sites], page 38

Mitch Deutsch, The Phoenix Rises From the Ashes (Atlanta Soaring Club) [Affiliates, Chapters, and Clubs; Hangars and Accessories], page 44

George Thelen, Visiting Complacency (Safety Corner) [Physiology], page 49

Arleen Coleson, FAI Awards & Badges (FAI Awards) [Awards\Badges], page 51

## March

Lilia Iglesias, Watercolor Painting "Otto Lilenthal's Attempt" (Berlin 1893) (Covers) [Art]

Ed Carpenter, Schweizer Aircraft Issue Praised (Letters) [Credits/Appreciation], page 2

Jean-Renaud Faliu, More About Panel Displays and Looking Out (Letters) [Cockpit; Instrumentation; Safety\Collision Avoidance], page 2

John Sandell, Safety-(in a Small Thermal) Vortex (Letters) [Safety\Stalls/Spins], page 3

Ray Speicher, Wait and See Not Me (to Design the World Class) (Letters) [World Class Sailplane], page 4

Wil Schuemann, Questions "Safety Corner" Conclusions (Letters) [Weight and Balance], page 4

Jim Schueckler, Another (Flying) Group to Join (Vietnam Helicopter Pilots Association) (Letters) [Solicitations], page 5

Bert Puchtler, Concerned About Flutter (Letters) [Aerodynamics\Flutter], page 6

J. Duncan Cooper, Attention Schreder Owners! (Letters) [Solicitations], page 8

Wally Amundson, *History Expanded (on Robert Fischer & his 1-23H Soaring Across the Entire US)* (Letters) [Sailplanes\Schweizer\SGS 1-23; History], page 8

Brian D. Myers, Thanks for the (Military Glider) Response (Letters) [Credits/Appreciation], page 9

Mark Palmer, Critical of (Schweizer's Recent) Action (Letters) [Commentary], page 9

Peter E. Conti, Sunny Side Up (Concern for No Spoiler Approaches) (Letters) [Patterns and Landings; Physiology; Instruction], page 9

Doug Jacobs, Wingloading Revisited (Letters) [Wing Loading], page 10

Jack Fletcher, (Military CG-4A Restoration) Glider Project Announced (Letters) [Restorations], page 10

Stephen DuPont, Solution to Spoilers Out (Separate Brake Lever) (Letters) [Launching\Aerotow; Cockpit], page 10

Jim Maupin, Complaint on Wrapper (Letters) [Publications], page 11

Stewart Aleshire, *Great Grandad is Proud (of Kurtis Rodriquez and John Newman)!* (Letters) [Family; Youth], page 11

Important! Change in Sporting License Procedures (SSA in Action) [Awards\Badges\Requirements], page 12

Maiden Flight of the DG-600 M (SSA in Action) [Sailplanes\Glaser-Dirks\DG-600], page 12

Nancy Batson Crews Inducted (into Alabama Aviation Hall of Fame) (SSA in Action) [Awards], page 12

Soaring Pilot Scholarship (1989 Winner is Adam Goucher) (SSA in Action) [Youth], page 12

Kolstad Scholarship Winner (for 1989 Michael Ondeck) Named (SSA in Action) [Awards\Kolstad Scholarship and Awards], page 13

The \$40 POST (in Northern Illinois) (SSA in Action) [Competitions\Non Sanctioned; Competitions\Post Tasks], page 13

Can You Identify? (SSA in Action) [Sailplanes], page 14

Bob Kupps, *The Third World Glider Aerobatic Championships (Hockenheim) [Aerobatics*], page 15 1989 U.S. National Champions [Competitions], page 18

Ann O. Jackson, Catching the Wind [Youth], page 20

Renard R. Rozzoni, New Mexico Gold (Distance in a 1-26) [Affiliates, Chapters, and Clubs\1-26 Association; Sailplanes\Schweizer\SGS 1-26; Awards\Badges\Flights], page 22

Soaring the High Sierra (38 minutes) (Advertisement) [Video Tapes], page 25

David R. Hughes, Youth in Soaring Through the Civil Air Patrol [Affiliates, Chapters, and Clubs\Civil Air Patrol], page 27

J.C. Kellett, *Things to Come* [Promotions; Aerospace Education], page 32

Jack Greene, In All of Soaring, There is Nothing So Hazardous as the First 30 Seconds of Every Flight [Launching\Aerotow], page 34

George Thelen, Eric Greenwell, and Mike Adams, *Tow Hooks Revisited* (Safety Corner) [Launching\Release Mechanisms], page 40

Rob Lang, Once More.. with Feeling (Flying the Standard Austria) [Sailplanes\Standard Austria; History; Restorations], page 42

Arleen Coleson, Have You Notched Your Barograph? (FAI Awards) [Awards\Badges\Requirements], page 46

Richard H. Johnson, A Flight Test Evaluation of the Grob 103C Twin III [Sailplanes\Grob 103C Twin III; Aerodynamics\Flight Tests], page 49

## **April**

John Good, Errol Shirtliff (HP-14) and Karl Striedieck (LS-4) near Nelson, New Zealand from Good in a DG-300 (Covers)

Emil Kissel, More on "Stalking the (Mountain) Wave" (Letters) [Literature\Book Reviews], page 2

Jim Maupin, (Sjostedt Sierra Six) Homebuilt Does Well (in Competition) (Letters) [Homebuilts], page 2

Laszlo "Les" Horvath, The Case of the Phantom Mountain (Letters) [Commentary], page 2

Lou Hoffman, Can Someone Help (on Libelle Towhooks)? (Letters) [Solicitations; Launching\Release

Mechanisms], page 2

Tim Gossfeld, Leave Sports Class Alone (Letters) [Competitions\Classes], page 3

Tom Serkowski, Contests (Date Publication) and (Pitch-Up of) Flapped Ships (Letters) [Aerodynamics], page 3

Eric Jaderborg, Thought on (Growth) Proposal (by McEwen) (Letters) [Growth], page 4

Doris Grove, Open Class Alive and Well (Letters) [Competitions\National], page 5

Tom Knauff, Writer Upset (on Open Class letter) (Letters) [Competitions\National], page 5

Greg Zack, Daedalus (Human Powered Aircraft) Update (SSA in Action) [Homebuilts], page 11

(Seven) German Youth Gliding Camps Announced (SSA in Action) [Youth], page 11

Calling All CFI's (for Collegiate Soaring Help) (SSA in Action) [Instruction; Collegiate Soaring; Solicitations], page 11

Tampa Bay Soaring in Action (at FAA Accident Prevention Seminar) (SSA in Action) [Instruction\Ground Schools], page 11

Third Annual Western VSA Regatta Planned (for Hemet, CA) (SSA in Action) [Vintage Aircraft], page 11

Michael Paul Slater, Her First Flight (Poem) (SSA in Action) [Literature\Poems and Poetry], page 12 Claybourn (1989) Award Winner (is Charles Shaw) (SSA in Action) [People\Charles Shaw; Awards\Claybourn], page 12

Need a Challenge? (New Executive Board Announced for 1990) (SSA in Action) [Affiliates, Chapters, and Clubs\1-26 Association; Sailplanes\Schweizer\SGS 1-26], page 12

From Drought to Dreariness: The Region 6 (1989) South (Waynesville, OH) (SSA in Action) [Competitions\Regional], page 13

New Glider Unveiled, Red Wing Soaring Offers New Aircraft (the F-105 (G)) (SSA in Action) [Humor], page 14

History in Wood Carvings (by Wilhelm Molik) (SSA in Action) [History; Art], page 15

C.J. Chapman, How Accurate is Your Variometer System? [Instrumentation], page 16

Alan Edgett, Hemet (California) [Sites\Hemet], page 22

Dennis Haworth, The Soaring Bug [Crewing], page 24

W.G. Hill, Should Soaring Become a Contact Sport? [Safety\Collision Avoidance], page 28

Mike Adams, Glider Release Mechanisms [Launching\Release Mechanisms], page 30

New Barograph Developed (Micro Processor Controlled) (New Products) [Instrumentation], page 34

Michael A. Russell, Truckee Trainee [Techniques\Cross Country], page 35

Fernando J. Rueda, Memories II (of the Zoeglin 33 in 1941 Argentina) [History; Sailplanes\Zerglin 33], page 37

Vern Chapin, Bad Day at Black Rock (near Charnita, PA) [Techniques\Cross Country; Techniques\Outlandings], page 39

Richard Ohlheiser, An Old Buzzard Goes for the Gold (Distance in a Pilatus B-4) [Awards\Badges\Flights], page 42

Donald M. Joffray, A Red-Tailed Hawk and a Soaring Thing [Birds], page 45

George Thelen, Competition Safety (Safety Corner) [Safety; Competitions], page 48

Arleen Coleson, The 1% Rule (Example) (FAI Awards) [Awards\Badges\Requirements], page 50

#### May

Mark Petru, L-23 Super Blanik in Flight above Clouds (Covers)

Lew Neyland, New X/C Trophy (for Landing in Colorado) Announced (Letters) [Awards], page 2

Mark D. Licker, Choice of Words Criticized with Editor's Note (Letters) [Commentary], page 2

Rick Sheppe, Total Energy Revisited (Letters) [Instrumentation], page 2

Dick Seaman, Flutter Questions Answered (Letters) [Aerodynamics\Flutter], page 3

Ed Byars, Asks For Consideration for Charlie Spratt (Letters) [People\Charlie Spratt], page 3

Lois Goucher, Appreciation Expressed (Letters) [Credits/Appreciation], page 3

Alan K. Reeter, Answer to Standardization (Question by Felske) (Letters) [Instruction], page 4

Bill Nesse, Safety Links Discussed (Letters) [Launching\Aerotow; Launching\Release Mechanisms], page 4

Hans H. Baeggli, Recognizes Sailplane (HB-369 as a SPYR 5, not SPRA 5) (Letters) [History], page 4 Don Wemple, From the "We Get Letters Department" of the 1-26 Association (Letters) [Affiliates,

Chapters, and Clubs\1-26 Association; Sailplanes\Schweizer\SGS 1-26], page 6

Helmut Reda, Thanks for the (Hadfield et al Ground Effect Study) Effort (Letters) [Aerodynamics], page 6

James L. Lee, From the "We Get Letters Department" of the 1-26 Association (Letters) [Affiliates, Chapters, and Clubs\1-26 Association; Sailplanes\Schweizer\SGS 1-26], page 6

Richard H. Johnson, Correction on Airfoil Design (Letters) [Sailplanes\Grob 103C Twin III], page 9

E.H. Replogle, Replogle Barograph Finds New Home (SSA in Action) [Instrumentation], page 10

Jim Payne, (1990) Rules Committee Report (SSA in Action) [Competitions\Rules], page 10

US Designed Self-Launcher (S R Aircraft ARIA) Introduced at (Indy '90) Convention (SSA in Action) [Motorgliders], page 10

Del Blomquist, Thermals Forever (poem to Walt E. Mooney) (SSA in Action) [Literature\Poems and Poetry; Obituaries], page 11

John Campbell, (1989) Intercollegiate Champions (Penn State Soaring Club Team & Individuals) (SSA in Action) [Collegiate Soaring], page 11

Can You Identify (SSA in Action) [Sailplanes], page 11

Youth Competition Medallion (SSA in Action) [Awards; Youth], page 11

Hannes Linke, Offer to Fly in Russia (SSA in Action) [International\Russia], page 12

Changes at NSM (Executive Director Needed) (SSA in Action) [Solicitations; Affiliates, Chapters, and Clubs\National Soaring Museum], page 12

NAA Recognizes Two (SSA) Members (Bill S. Ivans and Floyd Sweet) (SSA in Action) [National Aeronautic Association (NAA)], page 12

James Fleugel, In Memoriam: John Stetson Fleugel (SSA in Action) [Obituaries], page 13

Director Announces Appointments (SSA in Action) [Soaring Society of America], page 13

Site of the 1989 National Soaring Championships in Argentina (SSA in Action) [International], page 13

Roderick F. Read, Jr., In Memoriam: Roderick F. Read, Sr. (SSA in Action) [Obituaries], page 14

Vic Saudek, (Southern California Soaring Association at Hawthorne, CA) Air Fair Report (SSA in Action) [Exhibits/Displays/Fairs], page 14

Bob Fitch, In Memoriam: Jack Greene (SSA in Action) [Obituaries], page 15

FAA Makes Drug Testing Announcement (SSA in Action) [Federal Aviation Administration (FAA)], page 15

Bernald S. Smith, *The Sawing Society of America* (SSA in Action) [*International Gliding Commission (IGC)*], page 16

SSA Life Memberships Temporarily Discontinued (SSA in Action) [Soaring Society of America\Membership], page 16

Judy Lincoln, For Fiscal Year Ended October 31, 1989 [Soaring Society of America\Annual Report], page 19

Phil Petmecky, The First Solo Cross Country, Lesson One - Safe Altitude Circles [Techniques\Cross Country; Instruction], page 23

Mark Petru, The L-23 "Super Blanik" (Czech) Glider [Sailplanes\Blanik L-23], page 26

Oran W. Nicks, The World Class Sailplane, Technical Consideration from Concept to Design Competition [World Class Sailplane], page 29

Billy Hill, Collision Avoidance [Safety\Collision Avoidance], page 32

Val Brain, The 400 Blows: Analysis of 400 (British) Accidents Reported in "Sailplane and Gliding" [Safety\Accidents/Incidents], page 35

David B. Newill, Starting the 90's Right, SSA 90 at Indy! [Conferences, Conventions, and Meetings], page 39

George Thelen, Center of Gravity, Part 2 (Safety Corner) [Weight and Balance], page 45

Doug Jacobs, Perspective (on Making Things Happen) [Promotions; Aerospace Education], page 48

Arleen Coleson, FAI Sporting Licenses - Who Needs Them? (FAI Awards) [Awards\Badges\Requirements], page 50

## June

Oliver Dyer-Bennet, Two DG-600's in Close Formation (Covers)

Tom Hardy, Soaring in Argentina Recommended (Letters) [International\Argentina], page 2

Dick Robinson, *Needs (Cessna) Tow Hook Help* (Letters) [Launching\Release Mechanisms; Solicitations; Launching\Aerotow], page 3

James H. (Howard) Burgess, *Proposal for New Tow Hook Release* (Letters) [*Launching*\*Release Mechanisms*], page 3

Lew Neyland, Call For Some (Soaring Article) Repeats (Letters) [Reprints and Back Issues], page 3

Tony Burton, Long Wave (Along Rock Mountains in Alberta, Canada) Explained (Letters) [Techniques\Wave Flying], page 3

Ed Byars, Wing Loading Revisited: Yet Again (Letters) [Wing Loading], page 4

Steven McCormick, Doctor, Doctor! (I've got Meniere's Disease) (Letters) [Physiology], page 5

W. Stuart Schweizer, Schweizer Responds (to Palmer letter) (Letters) [Errata; Commentary], page 5

Richard H. Benbough, Paper Wing Albatross Reborn (Letters) [History], page 9

Stephen DuPont, Idea for Adjusting Polars (Letters) [Instruction], page 9

Cyndi Stephenson, 1991 and 1992 National Contest Sites - Call for Proposals (SSA in Action) [Competitions\National], page 10

A Review of Ed Kilbourne's "Cloudbase" (Music Cassette) (SSA in Action) [Art], page 11

Georgia SSA'ers on the Move (SSA Governor Jim Culp's Soaring Seminar) (SSA in Action) [Instruction\Ground Schools], page 11

Dale Thompson, In Memoriam: Dale F. Dye (SSA in Action) [Obituaries], page 12

Jim Marske, Homebuilders (1990 Eastern) Workshop Announced (for Bryan, OH) (SSA in Action) [Homebuilts], page 12

Ted Sharp, Ameriglide with Ham Radios (SSA in Action) [Communications], page 12

Oshkosh Bound (bumper sticker available) (SSA in Action) [Commentary], page 12

Region 9 Election Results (SSA in Action) [Soaring Society of America], page 12

SSA Board Minutes Available (SSA in Action) [Soaring Society of America], page 12

SSA Winter Board Meeting (1990 at Indianapolis, IN) (SSA in Action) [Soaring Society of America], page 14

Soaring Pilot (and SSA Member) Named as (California Wing) Commander (Ernest C. Pearson) (SSA in Action) [Affiliates, Chapters, and Clubs\Civil Air Patrol], page 14

Mal Gross, NAA Corner (NAA Corner) [National Aeronautic Association (NAA)], page 15

Manfred E. Reinhardt, Call for (OSTIV XXII Congress) Papers (SSA in Action) [OSTIV], page 15

1-26 Cross Country Sweepstakes (SSA in Action) [Affiliates, Chapters, and Clubs\1-26 Association; Sailplanes\Schweizer\SGS 1-26], page 17

Can You Identify (SSA in Action) [Sailplanes], page 17

Your 1990 Board of Directors (SSA in Action) [Soaring Society of America], page 18

William B. Dehon, An Incident in the Hills of West Virginia [Literature\Fiction], page 19

Roy Hennig, Thanks Ekatarina! [Competitions\Seniors], page 20

Katherine T. Hill, *The Birthday Gift [Literature\Fiction]*, page 23

Kareem Fahmi, First Breath of Spring (for Bronze Duration) [Awards\Badges\Flights], page 25

Peter C. King, Hello Dolly [Hangars and Accessories], page 27

Charles V. Lindsay, Personal Computer Soaring Weather Briefing [Computers and the Internet; Meteorology], page 30

Derek Johnson, Don't Kill the Tow Pilot [Launching \Aerotow], page 33

Emergency Strobe (New Products) [Retrieves], page 35

Phil Petmecky, The First Solo Cross Country Flight, Lesson Two - Constructing a Flight Profile [Techniques\Cross Country; Instruction], page 36

Bernald S. Smith, Perspective: (SSA Hull and Liability Insurance) [Insurance], page 40

Victor M. Saudek, Facts of Life, Lift and Drag, Part I [Aerodynamics], page 41

William D. Hack, A Tribute to Flying Father's on Father's Day [Family], page 44

George Thelen, Crosswind) Takeoff (in a Hurry), by Dan Shallbetter (Safety Corner) [Physiology; Safety\Accidents/Incidents], page 47

Arleen Coleson, Suggestions & Reminders (1%, Film, Barograph, Deadlines) (FAI Awards) [Awards\Badges\Requirements], page 50

#### July

Dave Hughes, Antelope Soaring Club's 1-26E 'Over the Top' above Mohave Desert in California

(Covers)

Stephen DuPont, Mid-Airs, Mid-Airs, Mid-Airs (Letters) [Safety\Collision Avoidance], page 2

Trish Durbin, Author's Response (to "Cat Among the Pigeons" Complaints) (Letters) [Commentary; Aerobatics], page 2

Bob Clark, *More Youth in Soaring (Meggan and Valerie Clark)* (Letters) [*Sailplanes\Cherokee*], page 3 Mark Morton, *More About Flutter* (Letters) [*Aerodynamics\Flutter*], page 4

Tom Beltz, Support for SSA's Stand on Wing Loading (Letters) [Wing Loading], page 5

Wallace A. Scott, A Response to the "Hue-In and Cry-In" (Letters) [Competitions; Association], page 8

Jim Jenista, In Memoriam: Dick McKnight (SSA in Action) [Obituaries], page 10

1989 Hilton Cup Winners Announced (SSA in Action) [Awards], page 10

New Election Procedures for Directors (SSA in Action) [Soaring Society of America], page 10

Update on Publication (New Editions of "New Soaring Pilot," "FAR's For Glider Pilots," and "Transition to Gliders") (SSA in Action) [Literature\Book Reviews], page 10

Jan Scott, In Memoriam: Wolfgang Hutter (SSA in Action) [Obituaries], page 11

Mark Nichols, Just Another Day in Paradise (Sequatchie Valley, TN) (SSA in Action) [Affiliates, Chapters, and Clubs], page 11

Hey Rocky, Watch me Pull a Rabbit out of my Hat! [Competitions\World], page 12

Hans Popperl, The Story of OE-0409 Mg19A "Steinadler" [Sailplanes\Mg19A; History], page 15

A New Final Glide Computer (New Products) [Computers and the Internet; Instrumentation], page 18 Bob Cook, Hawk, HAWK [Birds], page 19

Wallace A. Scott, The Sea Breeze Front at Uvalde, Uvalde Weather at the 1989 15-Meter Championships [Meteorology\Sea Breeze Front or Shear Lines], page 21

Richard H. Johnson, Flight Testing of Sailplane Stall Warning Systems [Aerodynamics\Flight Tests; Techniques\Stalls/Spins; Instrumentation], page 25

Victor M. Saudek, Facts of Life, Lift and Drag, Part II [Aerodynamics], page 36

Phil Petmecky, The First Solo Cross Country Flight, Lesson Three - Turnpoint Photos [Techniques\Cross Country; Instruction], page 40

Michael J. Hoke, New Rules for New Electronic Barographs (FAI Corner) [Awards\Badges\Requirements], page 43

George Thelen, *Pilotless Aircraft (Aerotowed!)* (Safety Corner) [*Launching\Aerotow; Safety*], page 45 Arleen Coleson, *Electronic Barographs* (FAI Awards) [*Awards\Badges\Requirements*], page 50

#### August

Pete Williams, Jerry Wenger Chacks Coolant Level of Rotax Engine in his Nimbus 3DM (Covers)

Gary Knapp, Recognized (1-26) #248 [Affiliates, Chapters, and Clubs\1-26 Association; Sailplanes\Schweizer\SGS 1-26], page 2

George Powell, Poets Remembered (Jack Greene & Walt Mooney) (Letters) [Literature\Poems and Poetry; Obituaries], page 2

Alan B. Greer, Going to the Top (Writing Your Congressman) (Letters) [Credits/Appreciation], page 3 Curtis Cole, L-I-F-F-T, a Checklist for Between Tows (Letters) [Safety\Checklists; Launching\Aerotow], page 3

Raul Blacksten, Changes at VSA (Blacksten is Archivist) (Letters) [Vintage Aircraft], page 3

Fredo Killing, How Cheap Can We Be And Still Remain Professionals? (With Unpaid Staffs) (Letters) [Competitions\National], page 4

Gene Sandburg, Reference on Flutter (August 1977 Soaring) (Letters) [Aerodynamics\Flutter], page 4

J.F. Crawford, Another View on Airbrakes (Than DuPont's) (Letters) [Launching\Aerotow], page 4

Jim Marske, SHA Seeks New Members (Letters) [Growth; Homebuilts], page 6

R.T. Steils, Excited About One Design (Letters) [World Class Sailplane], page 6

Frank Roden, SSA in Action: Rolladen-Schneider Introduces LS-6c-175 (SSA in Action) [Sailplanes\Rolladen-Schneider\LS-6c-17.5], page 8

Stewart Tittle, Oregon SSA Governor Introduced (SSA in Action) [Soaring Society of America], page 8

Cleveland Soaring Society, *In Memoriam: Ted Pawski* (SSA in Action) [*Obituaries*], page 9 *The Mountain Wave* (Advertisement) [*Video Tapes*], page 9

Update on 1990 Women's Soaring Seminar (at Bermuda High) (SSA in Action) [Affiliates, Chapters, and Clubs; WSPA], page 9

 $World\ Class\ Update\ (82\ Applications\ Submitted)\ (SSA\ in\ Action)\ [World\ Class\ Sailplane],\ page\ 10$ 

Team Selection Process Clarified (SSA in Action) [Competitions\World\US Team], page 11

Author (Vic Saudek) Offers Further Explanation (SSA in Action) [Errata; Aerodynamics], page 12

FAI - Its Role in Sport Aviation NAA Corner [National Aeronautic Association (NAA)], page 14 Can You Identify [History; Sailplanes], page 15

Peter F. Selinger, Nimbus 4, New 'Albatros' from Kircheim [Motorgliders\Schempp-Hirth\Nimbus 4], page 16

Patricia D. Austin, Heart-Pounding Silence at 3,000' [Promotions; Aerospace Education], page 20

Bob Webster. The Infallible Gear Warning System or the Coffe Cup Cure for Crunched Composites

Bob Webster, The Infallible Gear Warning System or the Coffe Cup Cure for Crunched Composites [Cockpit], page 23

W.G. Hill, Murphy, Mother Nature and Me (Wave over Boulder, CO) [Communications; Techniques\Wave Flying], page 25

Edmund C. Ginn, Jr., Eagles (Boy Scouts) First Flight [Youth], page 28

John C. Lincoln, II, The Surgeon [Crewing], page 30

William E. (Bill) Gallagher, 1990 NSM Hall of Fame and Exhibit Opening [Affiliates, Chapters, and Clubs\National Soaring Museum], page 34

Pete Williams, Are Self-Launching Sailplanes the Wave of the Future? [Motorgliders], page 37

Victor M. Saudek, Stability and Control, Chapter 3 [Aerodynamics], page 40

Phil Petmecky, The First Solo Cross Country Flight, Lesson Four - Flight Bands and/or Speed-To-Fly [Techniques\Cross Country; Instruction], page 42

Accurate, Lightweight Anenometer (New Products) [Instrumentation], page 45

Judy Lincoln, Perspective: (Wing Loading Issue Evolution) [Wing Loading], page 46

George Thelen, Age and Flying (Safety Corner) [Physiology|Medical Condition], page 48

Arleen Coleson, Soaring Awards (FAI Awards) [Awards\Badges], page 50

# September

Tim Cislo, Bill Devitt Soars over Central Oahu in a Schweizer 2-32 (Covers)

Dick Vine, Aerotow vs. Winch Launch; Another View [Launching\Aerotow; Launching\Winch], page 2

Joseph A. Azar, This One Cares (about Funding Sources) (Letters) [Commentary], page 2

Thomas J. Fuller, Questions Safety Practice (Aerobatics in 1-26s) (Letters) [Aerobatics; Affiliates, Chapters, and Clubs\1-26 Association; Sailplanes\Schweizer\SGS 1-26], page 2

Harry Miltner, Goodbye Vi! (Vi Blalock) (Letters) [Obituaries], page 3

Jerzy Makula, Questions (Celair GA-1) Ad Claim (Letters) [Errata; Aerobatics], page 3

Wally Raisanen, Wants Input for Rule Changes (Letters) [Competitions\Rules], page 3

Bill Teague, Questions Longer Towrope (Letters) [Launching\Aerotow], page 4

Ed Byars, More "Hue-In and Cry-In" Please! (Letters), page 4

Richard Blanchard, Likes (Neyland's Call) Idea [Reprints and Back Issues], page 4

Bill Ray, The Unlikeliest Place Ever! (Letters) [Safety\Preflight; Birds], page 6

Don Reid, CAP Cadets Soar at Elmendorf AFB (Alaska) (SSA in Action) [Affiliates, Chapters, and Clubs\Civil Air Patrol], page 9

 $\textit{Good Weather (in Houston, TX) for Bronze Day (SSA in Action) [Awards \backslash \textit{Badges} \backslash \textit{Flights}], page 9}$ 

Moravia Inc. Introduces New Motorglider (L-13 SE "Vivat" (SSA in Action) [Motorgliders\Blanik L-13], page 9

The New Grob 103C Twin III SL (SSA in Action) [Motorgliders; Sailplanes\Grob 103C Twin III], page 9

Update on Tost Tow Release (SSA in Action) [Launching\Release Mechanisms], page 10

(1990) Region V North Soaring Contest (Chester, SC) (SSA in Action) [Competitions\Regional], page 11

Can You Identify? (SSA in Action) [Sailplanes], page 12

Changes at Limbach (SSA in Action) [Motorgliders], page 12

Paul A. Schweizer, Is the US Sailplane Fleet Shrinking? [Growth], page 14

Phil Petmecky, The First Solo Cross Country Flight, Lesson Five - Selecting a Cross-Country Task [Techniques\Cross Country; Instruction], page 18

Charles V. Lindsay, Using the Upper Winds [Meteorology], page 24

John Ott, High Flights (Soaring Club, Colorado Springs, CO) Live Up to Its Name [Techniques\Wave Flying], page 28

Bud Hopp, Resco (Region 12 Soaring Council) - a Success Story [Affiliates, Chapters, and Clubs], page 32

George Thelen, The Theory and Practice of (FRP) Chip Repair [Maintenance and Improvements], page 35

A New 2-1/4" Winter Altimeter (New Products) [Instrumentation], page 40

Derek Piggott, A New Version of the Dimona Motorglider, The Rotax Powered Super Dimona [Motorgliders], page 41

George Thelen, *Just Say No?* (to Unsafe Practices), by Roy Poole (Safety Corner) [Safety], page 46 Mark Kennedy, Perspective (on Making People Feel At Home) [Promotions; Aerospace Education], page 49

Arleen Coleson, Kolstad Scholarship Grant (FAI Awards) [Awards\Kolstad Scholarship], page 50

### October

Richard Thornton, Pawnee Towplane at Work Towing a Schweizer at Fantasy Haven (Covers)

Jim and Jackie Payne, Thanks for (Motorhome Repair) Help (Letters) [Credits/Appreciation], page 2

Jim Hard, Check Those (Discrepancy) Logs (Letters) [Safety\Cockpit], page 2

Murray Olson, Help, Anyone? (Schweizer TG-3A Available) (Letters) [Sailplanes\Schweizer\TG-3a; History], page 2

Stewart Aleshire, A New Badge Needed (Letters) [Humor], page 3

John Byrd, Safety Stressed in Thermaling (Letters) [Safety\Collision Avoidance; Techniques\Thermaling], page 4

Karl H. Striedieck, Support for SRA/Spratt (Letters) [People\Charlie Spratt], page 4

George Powell, Great Time at (Las Vegas Club's) Fun Event (Letters) [Competitions\Non Sanctioned; Affiliates, Chapters, and Clubs], page 6

Jim Hartwell, Soaring in the USSR (Letters) [International\Sites], page 6

Randy King, Another Youngster Reports (Letters) [Youth], page 6

Tom Nowicki, Concerned with Polybag (Letters) [Publications], page 6

Dick Vine, Separate One-Design from Olympics (Letters) [World Class Sailplane], page 8

Yale Mosk, Hello Dolly! a Better Mousetrap! (Letters) [Hangars and Accessories], page 9

Wally Raisanen, Questions Sportsmanship (Letters) [Spoilers; Launching\Aerotow], page 10

Harold A. Katinszky, In Memoriam: Patrick McAtee (SSA in Action) [Obituaries], page 11

(Albuquerque) '91 Convention Update (SSA in Action) [Conferences, Conventions, and Meetings], page 11

1991 European Youth Championships Announced (SSA in Action) [Youth], page 11

Region Six South Championships, June 25-30, 1990 Caesar Creek Soaring Club, Waynesville, Ohio (SSA in Action) [Competitions\Regional], page 11

Sweepstakes Winner (1989) Displays Sailplane (SSA in Action) [Competitions\World\US Team], page 11

Stan Montagne, In Memoriam: Fred Frauens (SSA in Action) [Obituaries], page 12

Tom Nowicki, Update Seminoles Celebrate First Anniversary in New Nest (SSA in Action) [Sites], page 12

(1990) 17th Annual South Region Five Soaring Championships (Cordele, GA) (SSA in Action) [Competitions\Regional], page 13

Atlanta Soaring Club Promotes Soaring (SSA in Action) [Affiliates, Chapters, and Clubs], page 13

Steve Hines, *Book Review: Aerial Photogrpahy by Harvey Lloyd* (SSA in Action) [*Literature*], page 14 *Lilienthal Memorial Competition 1991* (SSA in Action) [*Awards*], page 15

US Team Identified (SSA in Action) [Competitions\World\US Team], page 15

Mal Gross, Sport Aviation -- The Key to the Future of U.S. Aviation (NAA Corner) [National Aeronautic Association (NAA)], page 16

Phil Petmecky, The First Solo Cross Country Flight, Lesson Six - Polar Adjustments and Speed to Fly in Sink [Techniques\Cross Country; Instruction], page 17

Doug Fronius, 1990 VSA Western Regatta (Hemet, CA) [Affiliates, Chapters, and Clubs\Vintage

Aircraft], page 19

Ed Gaddy, Opening a Glider Operation [Sites], page 22

Gary and Nancy Kemp, Garfield Flats [Crewing; Retrieves], page 23

Ken Rubotsky, Ameriglide (Minden 1990) [International], page 26

Dave and Jill Fletcher, A New Club Hangar for WSSA-The Hard Way [Hangars and Accessories], page 34

Armin Wishard, Soaring in East Germany [International\Sites], page 37

Larry Sanderson, Perspective: And The Volume Goes Up.. on Regulatory Issues and Soaring Safety [Publications; Soaring Society of America\President's Report], page 40

Charles V. Lindsay, Using Weather Observations and Terminal Forecasts [Meteorology], page 41

Azuresoft Introduces the Complete Briefer DUAT Decoder Software for PC's (New Products) [Meteorology; Computers and the Internet], page 45

George Thelen, (L-13) Gliders-In the Long Term, by Tom Cooper and Irving Prue (Safety Corner) [Maintenance and Improvements], page 46

Arleen Coleson, It's a Small(er) World After All (FAI Awards) [Awards\Badges\Requirements], page 49

#### **November**

Bill Patterson, A Sailplane crosses over a road as it lands at Crowley Field, Alberta, Canada during Alberta Soaring Council's Summer Encampment (Covers)

Curt Laumann, Blanik Owner Needs Assistance (with Sticking Flaps) (Letters) [Sailplanes\Blanik L-13], page 2

Derek Johnson, Longer Ropes-A Response (Letters) [Launching\Aerotow], page 2

W.R. Plage, A 78 Year Old Responds (Letters) [Physiology], page 2

Jackie Womack, Sailplane Prices (Letters) [Homebuilts], page 3

Kevin Bennett, *Likes Masak Winglets* (on a Ventus B) (Letters) [Aerodynamics\Winglets; Modifications], page 3

Alan B. Greer, Word from Motorglider World Championships (Issoudun, France) (Letters) [Motorgliders; International], page 4

Charles V. Lindsay, (*Telephone*) Numbers for DUAT (Letters) [Meteorology; Computers and the Internet], page 4

Jim Border, Running Wings the Hard Way (Letters) [Safety; Crewing], page 6

D.E. Horton, Another Youngster Solos (Letters) [Youth], page 8

Mid and Ken Kolstad, Kolstad Scholarship Update (Letters) [Awards\Kolstad Scholarship and Awards], page 8

Steve Foreman, (Kolstad Winner Responds) (Letters) [Awards\Kolstad Scholarship and Awards], page 8

Allen Silver, Parachute Update (Security and National Canopies) (Letters) [Parachutes], page 9

Bill Dehon, More to it Than Age (Letters) [Physiology\Medical Condition], page 9

C.T. Burke, Call for Trailer Article (Letters) [Trailers; Solicitations], page 9

R.N. Buck, More Than Age (Letters) [Physiology|Medical Condition], page 10

Steve Fahrner, Comments on Proposed Rule Changes (Letters) [Competitions\Rules], page 10

Barrett Leibe, (Computer and Final Glide) Program Available (Letters) [Computers and the Internet; Instrumentation], page 11

David Fraser, Partial title (Centers) (Letters) [Aerodynamics], page 11

Winston R. Dole, Similarities Noted (Variometers: Three Generations Ago and Now) (Letters) [Instrumentation; History], page 12

John Doyel, The Test (Driving to the Airport) (Letters) [Physiology\Medical Condition], page 13

Reggie Spinhayer, In Memoriam: Henry Stouffs (SSA in Action) [Obituaries], page 15

Robert Penn, Sixteen Contestants Fly 1000 Kilometers in Possible World Record Contest Task (SSA in Action) [1000 Kilometer Flights], page 15

Region 11 North Contest, August 12-17, 1990, Siskiyou County Airport, Montague, California (SSA in Action) [Competitions\Regional], page 15

Reminder for (XXII OSTIV Congress) Technical Papers (SSA in Action) [Technical Soaring; OSTIV], page 15

The World is Coming to Minden (in 1991) and we need your help (SSA in Action) [International], page 15

Winter Instruments Without Certification (SSA in Action) [Maintenance and Improvements; Instrumentation], page 15

Tom Elmore, Accent on Clubs Revisited (& 2-22 Aileron Gap Seals) (SSA in Action) [Sailplanes\Schweizer\SGS 2-33; Affiliates, Chapters, and Clubs; Aerodynamics], page 17

Fall 1990 SSA Board Meeting (SSA in Action) [Soaring Society of America], page 18

New Soaring Club (Atlantic Soaring) Forms in Maryland (SSA in Action) [Affiliates, Chapters, and Clubs], page 18

Russian Teenager Solos While Guest of SSA Members (Betty and Roger Ruch) (SSA in Action) [Youth], page 18

Can You Identify? (SSA in Action) [Sailplanes], page 19

Regulatory Updates (AD's and Driving Convictions) (SSA in Action) [Federal Aviation Administration (FAA)], page 20

Elections for Regional Director (SSA in Action) [Soaring Society of America], page 21

Paul A. Schweizer, The Floyd J. Sweet Story [History], page 26

Dave Hudnut, The 1990 Eastern Workshop at Bryan, Ohio [Homebuilts], page 29

Elizabeth Grove, 1990 United States Open Class Soaring Championships (Mifflin Co, PA) [Competitions\National], page 34

Pete Williams, Littlefield-1990, The 3rd US National Auxiliary-Powered Soaring Championships [Competitions\National], page 39

George Thelen, Belts (Safety Corner) [Cockpit], page 44

Meal on the Go - a Vast Improvement in Portable Food (New Products) [Cockpit], page 47

Judy Lincoln, Perspective: (Publications Changes) [Publications], page 49

Arleen Coleson, Fall Practice (Barographs & Photography (FAI Awards) [Awards\Badges\Requirements], page 50

### **December**

Mark Grubb, Winter Wonderland, a snow covered Grob 103 on the ramp at Skylark North, Tehachapi, CA (Covers)

Alan Greer, Start Them Young on a Soaring Path (Letters) [Growth], page 2

Charles Mueller, Maintain Airspeed (Letters) [Patterns and Landings], page 2

Corwin Sharp, Litigation or Stress (Limiting Schweizer Loops) (Letters) [Affiliates, Chapters, and Clubs\1-26 Association; Sailplanes\Schweizer\SGS 1-26; Aerobatics], page 2

Chet Johnson, Likes the 1-34 (Letters) [Sailplanes\World Class Sailplane], page 3

Edmund Stevens, Wants Help for New Pilots (to Avoid Accidents) (Letters) [Instruction], page 3

Larry Pardue, 1-26 Defender (Letters) [Affiliates, Chapters, and Clubs\1-26 Association; Sailplanes\Schweizer\SGS 1-26], page 3

Eugene Balazs, Mission Accomplished (Letters), page 6

Bob Park, Proper Reporting (on Apartheid) Questioned (Letters) [Commentary], page 7

Mark D. Bottino, Agrees with Authors (Marske and Schweizer) (Letters) [Growth], page 7

(1991) World Soaring Championships Update (New Location) (Letters) [International], page 7

Judy Lincoln, Regulatory Updates (Transponder Over ARS As and St Louis TCA Change) (SSA in Action) [Federal Aviation Administration (FAA)], page 10

In Memoriam: Fred MacFawn (SSA in Action) [Obituaries], page 10

Marty Bael, (1990) Region III Contest (Danville, NY) (SSA in Action) [Competitions\Regional], page 11

The Soaring Bug Bites Again (SSA in Action) [Growth], page 11

Can You Identify (SSA in Action) [Sailplanes], page 12

SSA Insurance Program Update (Ohio General Out, Global Insurance In) (SSA in Action) [Insurance], page 12

Bernald S. Smith, SSA Instructor Poll (Results and WDA Views) (SSA in Action) [Awards\World Distance; Instruction], page 13

A Soaring Coincidence (SSA in Action) [Publications], page 13

The World Class Enters Judging Phase (SSA in Action) [Sailplanes\World Class Sailplane], page 13

B.L. Stanfield, Alternative Source of Energy (SSA in Action) [Humor; Crewing], page 15

Judy McDonald, A Yuletide Soaring Poem (SSA in Action) [Literature\Poems and Poetry], page 16

NSM has a New Director (Dr. Charles R. Smith) (SSA in Action) [Affiliates, Chapters, and Clubs\National Soaring Museum], page 16

Marvin Willis, Eagle's Nest (Odessa, TX) and the 1-26 Championships [Affiliates, Chapters, and Clubs\1-26 Association; Sailplanes\Schweizer\SGS 1-26], page 18

Jack Laister, The First Intercollegiate Glider Championships (Purdue University in 1936) [History; Collegiate Soaring], page 23

Ed Byars, The New Castle 1000 km Club [Awards\1000 Kilometer Flights; Competitions\Regional], page 26

Wade H. Nelson, Soaring Club of Houston Update [Affiliates, Chapters, and Clubs], page 35

Robert C. Gibbons, Performance Modification for Older Wooden Sailplanes [Modifications], page 37

Keith Boyer, A Slow Cross Country Flight (with a Grob 109B) [Techniques\Cross Country; Motorgliders\Grob 109B], page 41

New Data Back Camera Announced (Minolta Fredom 50) (New Products) [Photography], page 45

George Thelen, Is All's Well That Ends Well? (Safety Corner) [Physiology], page 46

Arleen Coleson, Details, Details! (Declaration & Marking Camera Lens) (FAI Awards) [Awards\Badges\Requirements], page 48

# 1991

# January

Lou Hoffman, A View along the Sierras just West of Lone Pine, CA from a Libelle (Covers)

John Gibson, (Saudek's) Facts Explained (Letters) [Aerodynamics], page 2

Ken and Mid Kolstad, (1991) Scholarship Available (Letters) [Awards\Kolstad Scholarship and Awards], page 2

Jim Chizick, Looking for a Benefactor (to Donate Bickle's Schweizer 1-23E to NSM) (Letters) [Affiliates, Chapters, and Clubs\National Soaring Museum; Solicitations; Sailplanes\Schweizer\1-23], page 3

Ronald Wright, Moni Organization Reactivates (Letters) [Motorgliders\Moni Motorglider], page 3
Steve Lindenbaum, Of Wings and Things (Winglets) (Letters) [Modifications; Winglets; Aerodynamics], page 3

Fredo P. Killing, Velvet Over Panel Causes Problem (Letters) [Equipment\Cockpit], page 5

T. Guy Spencer, Jr., Appreciates (CFIG) Clinics (Letters) [Instruction\Ground Schools], page 5

Emil Kissel, More Youth Photos (Letters) [Youth], page 6

Harry R. Meline, A Site Preserved (Stanton Airfield for Minnesota Soaring) (Letters) [Affiliates, Chapters, and Clubs], page 6

Mitch Hudson, Low Tow and Tow Rope (Length)s (Letters) [Launching\Aerotow], page 6

Stephen DuPont, On Age and Safety (Letters) [Physiology\Medical Condition], page 6

Edmund G. Stevens, *Interested in (Henry Combs') Long Flights* (Letters) [*Techniques*\Cross Country Soaring], page 8

Aladar Wieland, He Can Identify (VOCSOK) (Letters) [History], page 10

Gregory Garwin, *Region Eight Soaring Championships, July 1-7, 1990, Ephrata, WA* (SSA in Action) [Competitions\Regional], page 11

FAA Project Updates (AD's and Propeller Problems) (SSA in Action) [Federal Aviation Administration (FAA)], page 11

Jim Smolen, Region 6 North (1990) Contest (Ionia, MI) (SSA in Action) [Competitions\Regional], page 12

Paul A. Schweizer, *In Memoriam: Emil A. (Moe) Lehecka* (SSA in Action) [*Obituaries*], page 12

Derek Piggott, *Basic Exercise Notes for Gliding Instructors by Ken Stewart* (SSA in Action) [*Bot* 

Derek Piggott, Basic Exercise Notes for Gliding Instructors by Ken Stewart (SSA in Action) [Book Reviews], page 13

Jan Scott, Gliding in Australia by Allan Ash (SSA in Action) [International\Australia; Book Reviews], page 13

Ghost Writers in the Sky (SSA in Action) [Book Reviews], page 13

H.V. Senn, *Handbook of Soaring Meteorology by Charles V. Lindsay* (SSA in Action) [*Book Reviews*], page 14

New "Affordable" Two-Seat Training Sailplane Headed for USA (SSA in Action) [Sailplanes], page 15 WSPA Names (1990) Trophy Winners (SSA in Action) [Affiliates, Chapters, and Clubs\WSPA], page 15

Glider Pilot on Japanese (Prime Time) TV. (SSA in Action) [Publicity], page 16

Sharon Smith, WSPA Seeks (1991) Seminar Bids (SSA in Action) [Affiliates, Chapters, and Clubs\WSPA], page 17

Stephen West, Sailors of the Wind (SSA in Action) [Poems and Poetry], page 17

Proposed FAA Dimona (Service Life and Fuel Tanks) Update (SSA in Action) [Motorgliding; Federal Aviation Administration (FAA)], page 17

Mike Koerner, Gliders Wanted (for WSC91) (SSA in Action) [Solicitations], page 18

SSA Membership Elects Five New Regional Directors (SSA in Action) [Soaring Society of America], page 18

Six will serve one year terms as Director-at-Large (SSA in Action) [Soaring Society of America], page 18

Gail Allinson, The Twelfth Annual Women's Soaring Seminar [Affiliates, Chapters, and Clubs\WSPA], page 20

Tim Mara, Used Parachute Sale (after LS\_1 bailout) [Safety\Accidents/Incidents], page 24

Bob Herd, St. Louis Soaring Association Gets the Gold(den Anniversary Award)! [History; Affiliates, Chapters, and Clubs], page 28

John H. Campbell, SSA Youth Survey [Youth], page 33

WSC91, Uvalde Update & Changes in the 1991 US National Sites and Dates [Competitions\World], page 35

John Ludowitz, Museum of Flying (Santa Monica, CA) [Museums], page 36

Larry Sanderson, Perspective: SSA's Ever Changing Faces [Soaring Society of America\President's Report; Growth], page 39

Charles V. Lindsay, Using Weather Radar Observations [Meteorology], page 40

George Thelen, Letters (on Age and Spin Training) (Safety Corner) [Safety\Stalls/Spins; Physiology\Medical Condition; Sailplanes\Blanik L-13], page 45

Arleen Coleson, Great Circle Distance Constant (FAI Awards) [Awards\Badges\Requirements], page 49

### **February**

Larry Tudor, Ultralight Soaring with Grob 103 above Hobbs, NM during Hobbs Hang Gliding Festival in July 1990 (Covers)

Rick Matthews, *Elaborates on Belts* (Letters) [Cockpit], page 2

Martha Jacobs, Need Some Summer Help (from a Brit)? (Letters) [Solicitations], page 3

Walter Leu, Difficult to Spot (Color) (Letters) [Safety\Collision Avoidance], page 3

Gene Hammond, Congrats to New Director (Bob Nady of Region 7) (Letters) [Soaring Society of America\Officers and Board of Directors], page 4

Karl H. Striedieck, Call for Consideration (POST change) (Letters) [Competitions\Post Tasks], page 4 Ray Speicher, Symposium (on Design and Construction) Proposed (Letters) [Sailplanes\World Class Sailplane; Homebuilts & Homebuilding], page 4

Ernie Diaz, Yet Another View on Air Brakes (Letters) [Launching\Aerotow], page 6

R.C. Forrester, III, Another View (of Politicizing Soaring than Azar's) (Letters) [Commentary], page 6 Steven McCormick, Response (on Meniere's Disease) is Gratifying (Letters) [Physiology\Medical Condition], page 8

Mike Koerner, Gliders Wanted (for WSC91) (SSA in Action) [Solicitations], page 9

Peter Masak, SSA in Action: Reports Reduction in Drag, [Aerodynamics], page 9

European Rallye Announced (SSA in Action) [International\Sites], page 9

Schreder Trailer is Back in Production (SSA in Action) [Trailers], page 9

Bill Ray, In Memoriam: Steve Sherry (SSA in Action) [Obituaries], page 10

Motorglider Pilot (Don Pollard) Recognized (SSA in Action) [Awards], page 10

Poland Invites American Pilots (SSA in Action) [International\Sites], page 10

The 1991 Officers and Directors of the Soaring Society of America (SSA in Action) [Soaring Society of America], page 12

Mal Gross, NAA Corner (NAA Corner) [National Aeronautic Association], page 13

Can You Identify? (SSA in Action) [Sailplanes], page 14

Erik Fair, The Sailplane Connection [Hang Gliding], page 16

Bruce Carmichael, Highlights of the 1990 (Tehachapi, CA SHA) Western Workshop [Homebuilts & Homebuilding], page 20

Charles V. Lindsay, Weather Warnings [Meteorology], page 26

Allen Silver, How to Care for Your Expensive Cushion [Parachutes], page 30

Gerhard Waibel, The ASW-24E Motorglider [Sailplanes\Schleicher\ASW-24; Motorgliding], page 32

John J. Magish, Just Do It.. The Wave in Retrospect [Techniques\Wave Flying], page 37

Richard H. Johnson, *Battery Powered Sailplane Strobe Light Evaluation* [Safety\Collision Avoidance], page 40

Robert W. Bailey, Getting Back into the Air [Physiology|Medical Condition], page 43

AIN Plastics Catalog 91 (New Products) [Maintenance and Improvements], page 45

George Thelen, *More Letters* (on Stall/Spin Accident) (Safety Corner) [Safety\Accidents/Incidents; Safety\Stalls/Spins], page 46

Arleen Coleson, Check Your Courses, Required Documents, & Deadlines (FAI Awards) [Awards\Badges\Requirements], page 49

### March

Lynn Karlin, John Mahoney flying the Redtail Salto over Bluehill, Maine last Fall (Covers)

Giovanni M. Cirlani, Questions About (Only 2-g) Loops (Letters) [Aerobatics], page 2

L.B. Clapham, Jr., Adds to (Museum of Flight) History (Letters) [Museums], page 2

Mike Steinberger, My Favorite Lesson (Thermaling) (Letters) [Techniques\Thermals and Thermaling; Instruction], page 2

Peter Masak, Technology (of Winglets) Praised (Letters) [Aerodynamics; Winglets], page 3

Fernando J. Rueda, Needs Some Help (pre-WWII Glider 3-Views) (Letters) [Models; Solicitations], page 4

Gordon J. Munro, Questions At-Large Process (Letters) [Soaring Society of America\Board of Directors Meetings], page 4

Peter Celliers, (Celstar GA-1) Medals Clarified (Letters) [Aerobatics; Sailplanes\Celstar GA-1], page 4

Peter Saundby, Early Variometers (Dunt Indicators) (Letters) [Instruments\Barographs; History], page 5

Phil Ecklund, Experienced Some (Bent Pushrod) Problems (Letters) [Maintenance and Improvements; Trailers], page 5

Ralph Jones, One Solution to (Focused Sunlight) Problem (Letters) [Humor], page 5

Gene Hammond, What Revisions?(to new edition of "The Joy of Soaring") (Letters) [Book Reviews], page 6

Walt Darran, Self-Policing is Needed (Letters) [Soaring Society of America Membership], page 6

William McVarland, Call for Motorglider Kit (Letters) [Homebuilts & Homebuilding], page 6

Gayle Lathrop, Credit Where Credit is Due (Jo Shaw Wins Virginia M. Schweizer Trophy) (Letters) [Errata], page 7

Tom Morgan, Mosquito Pilots and Owners (Letters) [Solicitations], page 7

W.L. Anderson, A 1-26'er Responds (Letters) [Sailplanes\World Class Sailplane; Affiliates, Chapters, and Clubs\1-26 Association; Sailplanes\Schweizer\SGS 1-26], page 7

DG-500 Now Certified by LBA (SSA in Action) [Sailplanes\Glaser-Dirks\DG-500], page 9

Regulatory Flash! Annual Flight Review Under Scrutiny (SSA in Action) [Federal Aviation Administration (FAA)], page 9

Solicits Nominees for Lincoln Award (SSA in Action) [Awards\Lincoln Award], page 9

Celstar GA-1 Awarded Type Certificate (SSA in Action) [Sailplanes\Celstar GA-1], page 10

Gliders Featured at Canadian Aviation Hall of Fame (SSA in Action) [Museums], page 10

Charlie Spratt, Region 10 (1990) Contest Report (Uvalde, TX) (SSA in Action)

[Competitions\Regional], page 11

John H. Campbell, Knauff and Grove Youth Scholarship (1990 Winner is Catherine Cico) (SSA in Action) [Youth], page 11

Can You Identify? (SSA in Action) [Sailplanes], page 12

Judy Lincoln, For Fiscal Year Ended October 31, 1990 [Soaring Society of America\Annual Report], page 13

Mike Vinson, Jurado Wins 1990 Sports Class Nationals in Littlefield [Competitions\National (US)], page 17

Wayne La Com, A Painful Lesson (Open Canopy) [Safety\Accidents/Incidents; Techniques\Outlandings], page 22

O.M. (Alex) Bilaniuk, Soaring in the Ukraine [International\Sites], page 26

Bill McElwee with Jeff Bushnell, A Do-Able (Briegleb BG-12) Project [Homebuilts & Homebuilding], page 32

Margaret Rambie, Team Work Works for Uvalde (TX) [Competitions\World\Sites\Uvalde, TX], page 36 Hans Arnold, Some Memorable Moments (Black Forest & the Wasserkuppe) [History; Affiliates, Chapters, and Clubs], page 39

George Thelen, Accident Reporting (Safety Corner) [Safety\Accidents/Incidents], page 43

Arleen Coleson, EW. Barographs (FAI Awards) [Instruments\Barographs; Awards\Badges\Requirements], page 46

# **April**

Julian Audette Flying his Schweizer 1-23G over Cook's Airfield, Pincher Creek on April 13, 1962 (Covers)

Carl Ekdahl, Questions (Striedieck's) Percentages (Letters) [Wing Loading], page 2

Charles V. Lindsay, Contact Pan Am for Weather Information (Letters) [Meteorology], page 2

Juergen Gayda, (German - USA) Exchange Wanted (Letters) [Solicitations], page 2

A. Colin McKinley, *Input Concerning "Flying and Age"* (Letters) [*Physiology\Medical Condition*], page 3

Dean Carswell, Revise Pilot Training (Letters) [Instruction], page 3

Robert Hildebrand, Thanks (to Mark L. Boettger) for Help to CSA (Letters) [Credits/Appreciation; Collegiate Soaring], page 3

Walter Leu, In Defense of Older Pilots (Letters) [Physiology\Medical Condition], page 3

Ned Wilson, Age and Flying: Another View (Letters) [Physiology\Medical Condition], page 4

Scott Dellinger, Report from the Younger Set (Letters) [Youth], page 4

John Wren, Comments on Pilot Training (Letters) [Instruction], page 5

Ralph Jones, It Sometimes Backfires (Letters) [Publicity], page 5

Kay Miner, Comments on Gibson (Jan '91) Letter (Letters) [Aerodynamics], page 7

Bob Herd, Correction is in Order (Letters) [Errata], page 8

Richard Ellenberger, (Notes to Gibson and Lindenbaum:) Have Newton's Laws of Motion Been Repealed? (Letters) [Aerodynamics], page 8

Thomas Kemmerer, (West German) Looking for Pen Pal (Letters) [Solicitations], page 8

Walt Darran, Soaring and Ballooning Share Experiences (Letters) [Growth], page 8

Bertha Ryan, In Memoriam: Paul Bikle-A Giant of a Man (SSA in Action) [Obituaries], page 11

Mike Koerner, Urgent! Urgent! More Sailplanes Needed for (1991) World Championships (SSA in Action) [Solicitations], page 11

Call for Contest Sites 1992 & 1993 (SSA in Action) [Competitions\National (US)], page 11

Junior National Champion (for 1990 is Sean Franke) (SSA in Action) [Youth], page 11

USA Junior World Team (SSA in Action) [Youth], page 11

Howard Banks, Region Four North Contest (1990 at Fairfield, PA) (SSA in Action) [Competitions\Regional], page 12

Cliff Oliver, In Memoriam: Leslie Neal (SSA in Action) [Obituaries], page 13

Steve Maier, The 1990 Standard Class Nationals (Hobbs, NM) [Competitions\National (US)], page 14

Fred C. Blair, A Bad Dream Comes True [Meteorology; Parachutes], page 22

Val Brain, The Graying of Gliding [Physiology\Medical Condition], page 25

Stewart Aleshire, NDH (in Your Logbook May Be Only) = NDDH??? [Maintenance and

Improvements], page 31

Juan Batch, Double Release Failure [Launching\Aerotow], page 33

Supervisor Sun Goggles Exceed All ANSI Standards for Sunglasses (New Products) [Cockpit], page 40 George Thelen, Clear the Area, by E. Douglas Whitehead (Safety Corner) [Techniques\Checklists;

*Techniques\Patterns and Landings*], page 41

Arleen Coleson, New Record Tasks & Badge & Record Documentation (FAI Awards) [Awards\Badges\Requirements], page 45

Mike Vinson, The Turtle sticks his Neck Out [Crewing; Retrieves], page 47

### May

Mark D. La Ciura, Pawnee Towplane over CA, "The Tow Pilot and his Ever-Faithful Towplane are the Forgotten Heroes of Most Soaring Contests" (Covers)

Allen Silver, Security Update (Letters) [Parachutes], page 2

Pete Orengo, Soaring is the Best (Letters) [Espirit de Corps], page 2

Charles (Red) Jones, Thanks to Instructor (Letters) [Instruction; Credits/Appreciation], page 3

Ronald R. Hodge, *More Soaring in Ukraine* (Letters) [*International\Ukraine*; *International\Sites*], page 3

Steve Lindenbaum, Technology Revisited (Letters) [Aerodynamics], page 3

Marion C. Cruce, Loops, Technology and the 1-26 (Letters) [Aerobatics; Aerodynamics; Affiliates, Chapters, and Clubs/1-26 Association; Sailplanes/Schweizer/SGS 1-26], page 6

Steve Ohnigian, Also Lost Canopy (Letters) [Safety\Accidents/Incidents], page 6

Dale C. Arrington, Loops and (G-Load) Limits (Letters) [Aerobatics], page 7

O.M. (Alex) Bilaniuk, Armenian not American (Letters) [Errata], page 7

S.O. Jenko, Elaborates on (Early Days) Talk (Letters) [Homebuilts & Homebuilding], page 7

Stephen duPont, *Thermals and Sailplane Cost Response* (Letters) [Sailplanes\Production/Availability; Credits/Appreciation; Techniques\Thermals and Thermaling], page 7

Gary Swift, 1-26'ers Need Response (Letters) [Affiliates, Chapters, and Clubs\1-26 Association; Sailplanes\Schweizer\SGS 1-26], page 8

Guy Harrison, Our Busy (SSA) President (Letters) [Soaring Society of America\Board of Directors Meetings], page 9

Bert Kolotilin, New LAK Distributor (SSA in Action) [Sailplanes\Lak-12], page 11

Dent Broome, In Memoriam: Raymond A. Young, Jr. (SSA in Action) [Obituaries], page 11

Karen Willet, Call for Articles (SSA in Action) [Publications], page 11

Sam Crane, In Memoriam: Robert P. Grey (SSA in Action) [Obituaries], page 11

Vintage Sailplane (4th Western) Regatta Scheduled (for Hemet, CA) (SSA in Action) [Vintage Aircraft], page 11

WSPA Announces XIII Seminar (at Turf Soaring) (SSA in Action) [Affiliates, Chapters, and Clubs\WSPA], page 11

In Memoriam: Alan James Yarmey (SSA in Action) [Obituaries], page 12

Re-alignment Discussed (SSA in Action) [Soaring Society of America], page 12

NSF Announces Annual Meeting (SSA in Action) [Affiliates, Chapters, and Clubs\National Soaring Museum], page 13

SSA Board of Director Report (SSA in Action) [Soaring Society of America], page 13

Ned Wilson, Border to Border [Expeditions], page 15

Don Kawal, 1991 National Soaring Convention (Albuquerque, NM) [Conferences, Conventions, and Meetings], page 22

Billy Hill, An Ephrata (WA) Soaring Season [Sites\Ephrata], page 29

Aland Adams, So You Want To Buy A(Used) Fiberglass Sailplane? [Maintenance and Improvements], page 30

Ed Neffinger, Soaring Down Under Tocumwal Aerodrome, NS.W., Australia [International\Australia], page 35

Tow Launch Systems, USA (New Products) [Launching\Ground Launch], page 38

George Thelen, a Visit to Squawking Eagle (Safety Corner) [Safety; Humor; Commentary], page 41

Arleen Coleson, New Badge and Record Book & Diamond Goal Flights (FAI Awards) [Awards\Badges\Requirements], page 46

Hans Hutz, First Flight - First Solo, Memories from Yesteryear (Stuttgart 1953) [History; International\Sites], page 47

### June

Fred Fourcher, The Golden Rays of a Sunset are Reflected in the Glossy Contours of a Flberglass Wing (Covers)

James W. Cox, Board vs Competition Pilots (Letters) [Soaring Society of America\Board of Directors Meetings], page Jun

Stephen DuPont, Comments on (Masak) Test Report (Letters) [Aerodynamics], page Jun

Louis Aull, The Loss of a Soaring Friend (Bob Grey) (Letters) [Obituaries], page 2

Mickey and Betsy Howell, Soaring - a Family Affair (14-Year-Old Maggie Howell Solos) (Letters) [Family], page 2

Alan Reeter, Procedure Needed for New Rules (Letters) [Competitions], page 3

John Bender, A Gathering of Eagles (Letters) [Physiology\Medical Condition], page 3

Marty and Joe Hudson, A Family Affair (14-Year-Old Mitch Hudson Solos) (Letters) [Family], page 4

Tom Franklin, To Build Sailplanes in North America (Letters) [Business Members; Sailplanes\Production/Availability], page 4

Jason Gregg, Settled in Quick (Letters) [Espirit de Corps], page 6

Steve Coan, Instruction (in Loops) Will Help (Letters) [Aerobatics], page 6

Bob Tinkham, In Defense of At-Large Process (Letters) [Soaring Society of America\Board of Directors Meetings], page 8

Linda Charlton, Canopy Latches Can Open (Letters) [Safety\Accidents/Incidents], page 8

C. O'Callaghan, Laments 9-Pound Vote (Letters) [Wing Loading], page 10

Les Sebald, Old Pilots Can Still Fly (Letters) [Physiology\Medical Condition], page 10

Chris O'Callaghan, Let Me Set the Record Straight (versus Ekdahl on Wing Loading) (Letters) [Wing Loading], page 11

Karl H. Striedieck, Guess What? 9-lb Wing Loading (Letters) [Wing Loading], page 11

Bill Stewart, Practical Wave Flying revised edby Mark Palmer (SSA in Action) [Techniques\Wave Flying; Book Reviews], page 12

Certification (LBA) for DG-500M (SSA in Action) [Sailplanes\Glaser-Dirks\DG-500], page 12

Russian Gliding Experience Available (SSA in Action) [International\Sites], page 12

Central Ohio Soaring Association Promotes Soaring (in Shopping Mall) (SSA in Action) [Exhibits/Displays/Fairs], page 13

Bernald S. Smith, Bungee Launch in the 90's (1991 IGC Meeting Report) (SSA in Action) [International Gliding Commission (IGC)], page 14

Waiver of Rules Sought (for Motorgliders) (SSA in Action) [Competitions; Motorgliding], page 14

Mal Gross, NAA Corner (NAA Corner) [National Aeronautic Association], page 17

Jeff Byard, The Life and Times of a TG-2 [Sailplanes\Schweizer\TG-2; History], page 18

Linn Buell, 18th International Vintage Glider Rally (Keiheuvel, Belgium) [Vintage Aircraft], page 23

Oran W. Nicks, World Class Report, Results of Phase 1 Design Competition [Sailplanes\World Class Sailplane], page 26

Guy Ford Byars, Soaring Radiation Hazard [Physiology|Medical Condition], page 29

Erik Nelson, Cambrai, 1989 (First Junior European Championships) [International; Youth; International\Sites], page 33

Derek Piggott, Flying the DG500M [Sailplanes\Glaser-Dirks\DG-500], page 37

David L. Robinson, The Last Tow [Sites], page 42

George Thelen, Where to Go on Tow (or Gone Fishin'), by Brian Shoemaker (Safety Corner) [Safety; Launching\Aerotow], page 45

Arleen Coleson, Motorglider Rules Changed, Electronic Barograph Permit Extension, & World Distance Award (FAI Awards) [Awards\Badges\Requirements], page 49

### July

Steve Hines, Collage of High Performance Fiberglass Ships and WSC 91 Uvalde, TX logo (Covers)

Art Roshner, Age Gap but No Generation Gap (Letters) [Physiology\Medical Condition], page 2

Michael Steckner, Remembers Audette and Flights (Letters) [History], page 2

Robert Gillian, Senior Pilot Still Very Active (Letters) [Physiology|Medical Condition], page 2

Gary Phillips, *Likes Article and Safety Corner* (Letters) [*Techniques\Patterns and Landings; Launching\Aerotow*], page 3

Pete Orengo, Flight of Sundiver (My Schweizer 1-23D) (Letters) [Espirit de Corps; Sailplanes\Schweizer\SGS 1-23D], page 3

David Houston, Thinks Landout Experience Vital (Letters) [Safety\Accidents/Incidents; Techniques\Outlandings], page 4

John Joss, Agrees with (Logbook) Documentation (Comments by Aleshire) (Letters) [Maintenance and Improvements], page 4

John Mathias, Question on Belt Installation (Letters) [Cockpit], page 4

Allan Adams, Help Asked for Youth in Soaring (to form Club) (Letters) [Solicitations], page 5

Arthur Rosen, Liked the Saiplane Purchase Article (by Adams) (Letters) [Maintenance and Improvements], page 5

Marc Buchner, More Expansion on Newton's Laws (Letters) [Aerodynamics], page 5

Janet Hider Smith, Women Invited to Australian Event (Letters) [Affiliates, Chapters, and Clubs\Seminars; International\Australia], page 6

Phil Petmecky, New Proposal for Contests (Score Other Classes with Sports Comparison) [Competitions], page 6

George Powell, Wild Ride in a (Fabric Wing) 1-26 (Letters) [Maintenance and Improvements; Safety\Accidents/Incidents; Affiliates, Chapters, and Clubs\SGS 1-26 Association; Sailplanes\Schweizer\SGS 1-26], page 8

J.M.W. Fletcher, Older Pilot Still Feels, Flies Young (Letters) [Physiology\Medical Condition], page 9 Craig Reinholt, Appreciates Cascade Soaring (Letters) [Sites], page 10

Mark Savage, Against Practicing Double Release Failure (Letters) [Launching\Aerotow], page 10

Ray Burns, Whatever Happened to..(1985 Kolstad Winner Gordon Boettger)?? (Letters) [Awards\Kolstad Scholarship and Awards], page 10

Albert L. Jones, More on Gibson Letter (Letters) [Aerodynamics], page 11

Robert D. Stephens, Comments on (Logbook) Damage History (Letters) [Maintenance and Improvements], page 11

Sridhar Rao, Economics and Sailplane Manufacturing (Letters) [Sailplanes\Production/Availability], page 11

Steve Coan, (1989 WAC) Medals Re-Clarified (Letters) [Aerobatics], page 11

C.C. Flora, Double Release Failure Debated (Letters) [Launching Aerotow], page 12

Mike Swanson, 1991 Region 11 (South) Soaring Contest (Vacaville) (SSA in Action) [Competitions\Regional], page 14

Banners for Oshkosh Available (SSA in Action) [Publicity], page 14

News from Tampa Bay Soaring Society (Soaring at Sun-N-Fun) (SSA in Action) [Affiliates, Chapters, and Clubs; Exhibits/Displays/Fairs], page 14

Lilienthal (Centennial) Celebration (in Germany) Soon (SSA in Action) [History], page 15

Lew Hull, 50th Anniversary for Philadelphia Glider Council (SSA in Action) [Affiliates, Chapters, and Clubs], page 16

Lana Tolleson, *Uvalde (TX) at the Ready (1991) World Soaring Championships Here We Come [Competitions\World; Sites\Uvalde]*, page 17

Simine Short, The Internationals, Combining Soaring and Philately! [International; Stamps; History], page 19

Doris Miller, The National Soaring Foundation, What It is and What It Does [Affiliates, Chapters, and Clubs\National Soaring Foundation], page 26

Charles V. Lindsay, (Public) TV Weather Programs [Meteorology], page 28

Pat Costello, An Insurance Failure Strikes the SSA.. but All is Not Lost [Insurance], page 32

Tom Elmore, The Odyssey of (Schweizer 1-36) 3617Q [Sailplanes\Schweizer\SGS 1-26; History], page 36

An Integrated Camera Barograph System (New Products) [Instruments; Photography], page 37

Larry Sanderson, Perspective: How Do Items Get on the Agenda? [Soaring Society of America\President's Report; Soaring Society of America\Board of Directors Meetings], page 40

George Thelen, Wires, by Dick Carter (Safety Corner) [Techniques\Outlandings], page 42

Arleen Coleson, Checklist Questions (FAI Awards) [Awards\Badges\Requirements], page 48

## August

Dan Matzke, A Schweizer 2-32 low over Crystal, CA (Covers) [Sailplanes\Schweizer\SGS 2-32]

J.M.W. Fletcher, Can You Identify? WW II Glider Pilots (Letters) [History], page 2

Patricia D. Austin, What Soaring is All About (Letters) [Affiliates, Chapters, and Clubs\Freedom's Wings], page 2

Joe Naebe, Attention LK and LP Owners (Letters) [Solicitations], page 3

Pete Williams, Minden is Alive and Well (Letters) [Sites\Minden], page 3

Z. Korius, *Lithuanian Plant Falls Victim* (Letters) [*International\Sites*], page 3

Hitoshi Hatamoto, Japanese Canopy Cover Shared (Letters) [Cockpit], page 4

John Gibson, Lift and Stability (Response to Miner) (Letters) [Aerodynamics], page 4

L.C. Tarleton, Needed Some Help (Letters) [Instruction], page 4

Colin Marsh, On Age and Flying (Letters) [Physiology\Medical Condition], page 6

Phil Petmecky, Wingloading and Directors-At-Large (Letters) [Wing Loading], page 6

Stephen DuPont, Sitting Duck (Letters) [Safety], page 7

Donald Hobel, One Member Takes Action (Contacts Congressmen) (Letters) [Sailplanes\Production/Availability], page 8

John Gleeson, We Have a First Here (A Find by Glider) (Letters) [Affiliates, Chapters, and Clubs\Civil Air Patrol], page 8

Raul Blacksten, Assistance Needed (Senior Albatross Photos, Details) (Letters) [Restorations; Solicitations], page 8

Steve Seibel, Thanks to Wichita and Kansas Soaring Associations (Letters) [Credits/Appreciation], page 8

Wally Raisanen, You Guessed It - More on Wing Loading (Letters) [Wing Loading], page 8

Gordon J. Munro, A Response to an At-Large Response (Letters) [Soaring Society of America\Board of Directors Meetings], page 9

Judy Lincoln, Another Voice on Wing Loading (& Directors-At-Large) (Letters) [Soaring Society of America\Board of Directors Meetings], page 9

Stephen DuPont, Thoughts on Electronic Drag Reduction (Letters) [Aerodynamics], page 9

Arleen Coleson, Badge and Record Book by Jackie Payne (SSA in Action) [Book Reviews], page 11

Jim Short, Gliding, a Handbook on Soaring Flight 6th edby Derek Piggott (SSA in Action) [Book Reviews], page 11

Articles Still Needed for Special April Issue (SSA in Action) [Publications], page 11

Harry C. Higgins, In Memoriam: Joseph M. Robertson (SSA in Action) [Obituaries], page 12

Mary Beuby, In Memoriam: William C.Beuby (SSA in Action) [Obituaries], page 12

Scott S. Ford, SSA Member Provides Informative Program (to Florida Aero Club) (SSA in Action), page 12

Steve Miller, In Memoriam: Earl Hopkins, Sr. (SSA in Action) [Obituaries], page 12

Candidates for Regional Director (SSA in Action) [Soaring Society of America], page 13

Lou Frank, The Senior National Championships (Seminole Lake, FL) [Competitions\National\Seniors], page 20

Bruce Carmichael, Remembering Ray (Parker) [Obituaries], page 24

Allen Silver, Before You Buy a Parachute [Parachutes], page 27

Paul Conway, A Wave Check-Out Ride [Techniques\Wave Flying], page 29

Peter F. Selinger, ASW-27 - Successor to the ASW-20 [Sailplanes\Schleicher\ASW-27], page 33

Karl H. Striedieck, From Wiener-Neustadt to Lithuania [International\Sites], page 36

Jim Maupin, Sailplane Development and Some Comment on Costs [Sailplanes\Production/Availabil-ity], page 39

Jack Glendening, Get-Home-Itis [Motorgliding], page 41

Arleen Coleson, Soaring Awards (FAI Awards) [Awards\Badges\Requirements], page 44

George Thelen, Ergonomics, by Robert Vanderbei & Vic Saudek (Safety Corner) [Safety\Cockpit], page 47

## September

Chuck O'Mahony, US Soaring Team with U.S. Flags for WSC91 in Uvalde, TX (Covers)

Bob Moore, *The Aging Pilot* (Letters) [*Physiology*\*Medical Condition*], page 2

Ira Bliedon, Look at Their Faces (Letters) [Saiplanes\Cherokee], page 2

Charles M. Jamieson, Towing Angles Discussed (Letters) [Launching\Aerotow], page 3

Richard H. Johnson, Wax and Gel Coat (Letters) [Maintenance and Improvements], page 4

Steve DuPont, More Comments Concerning Directors and Wing Loading (Letters) [Wing Loading], page 4

DG Information 2/91, DG-600/18 Evolution (SSA in Action) [Sailplanes\Glaser-Dirks\DG-600], page 5

Volunteer Help Wanted (to Deliver Sailplane to NSM) (SSA in Action) [Affiliates, Chapters, and Clubs\National Soaring Museum], page 5

DG-600M Now Type Certified (by LBA) (SSA in Action) [Sailplanes\Glaser-Dirks\DG-600], page 6 Famous Site (Black Forest) Records 10,000th Flight (SSA in Action) [Sites\Black Forest], page 6

Region 11 North June 16-22, 1991 (Siskiyou Co, CA) (SSA in Action) [Competitions\Regional], page 6

Chuck O'Mahony, The 22nd World Soaring Championships [Competitions\World], page 9

Chuck O'Mahony, Then..and...Now, a View of Laughlin Air Force Base (TX) By One Who Was There [History], page 11

John O. Graybill, A Four-Diamond Flight for the Crystal Squadron (Llano, CA) [Awards\Badges\Flights], page 28

Tom Ruscutti, 1991 US Standard Class National Championships (Mifflin Co., PA) [Competitions\National\Standard Class], page 32

The 1991 World Soaring Championship Poster [Competitions\World; Posters], page 38

A.R. Amiri, The First Glider Simulator [Computers and the Internet], page 40

George Thelen, Spoilers, by Don Antelman (Safety Corner) [Equipment\Hotellier Fittings; Safety\Accidents/Incidents], page 42

Arleen Coleson, Kolstad Scholarship Grant (FAI Awards) [Awards\Badges\Requirements], page 46

### **October**

Steve Hines, Eric Mozer, in a Ventus C, Flies Past the Finish Gate during the 15-Meter Nationals (Covers)

Cas Nowakowski, *Opening of Astir Canopy in Flight* (Letters) [Safety\Accidents/Incidents], page 2 Ivan Jaszlics, *Politics versus Progress or 9 lb Wing Loading* (Letters) [Wing Loading], page 2

Paul A. Schweizer, Update on the US Sailplane Fleet (Letters) [Growth; Espirit de Corps], page 2

Niccolo D. Della Pina, A Dream Come True (14-Year-Old Niccolo D. Della Penna Solos) (Letters) [Youth], page 3

Norman S. Benedict, Survival Kit Recommendation (Use WWII Zippo Lighter) (Letters) [Equipment\Cockpit], page 3

Val Brain, Clarification on Age Discrimination (Letters) [Physiology\Medical Condition], page 3

Paul W. Souder, A Unique Sailplane (XHPK-1, Human Powered Kite) (Letters) [Ultralights; Homebuilts & Homebuilding], page 4

Wally Raisanen, Following the Rules (on Wing Span) (Letters) [Competitions; Wing Span], page 4

Joachim P. Kuettner, *High Altitude Flutter: Red-Line Airspeed, True or Indicated?* (Letters) [Aerodynamics\Flutter], page 7

Michell Deutsch, Good Publicity (Letters) [Publicity], page 7

Chuck Griswold, Thanks to George Thelen (and Others) (Letters) [Credits/Appreciation], page 9

Michael Currie, Father and Son Duo (Marc and Michael Currie) (Letters) [Family], page 9

Jim Gallagher, Attention Pilots Interested in Self-Launching Sailplanes (80-hp Engine in Old Two-Seater) (Letters) [Motorgliding; Solicitations], page 10

Philip A. Petmecky, *Trouble with (Battery Operated 35mm) Cameras* (Letters) [*Photography*], page 10 Dieter (Derek) Plapp, *Flying, Age and Crashes* (Letters) [*Physiology*\*Medical Condition*], page 11

Tom Gilbert, Thanks to Sponsors and Friends at Sports Class (Letters) [Credits/Appreciation], page 11

Tom Ghort, Tranks to Sponsors and Trends at Sports Class (Ected's) [Creans/Appreciation], page

Melody Holland, Different Angle on Old Problem (Just Smile) (Letters) [Growth], page 12

Tonk Mills, In Memoriam: Dr. Charles Henning (SSA in Action) [Obituaries], page 14

Junior World's (1991 in Sweden)Results (SSA in Action) [Youth], page 14

SSA at Oshkosh (Volunteers Thanked) (SSA in Action) [Credits/Appreciation], page 14

Soaring with the Schweizers by William Schweizer (SSA in Action) [Book Reviews], page 14

1991 Region V North Soaring Championships (Chester, SC) (SSA in Action) [Competitions\Regional], page 15

1991 Region 10 West Soaring Championships (Littlefield, TX) (SSA in Action) [Competitions\Regional], page 17

Press Release PZL Krosno KR-03A Trainer Receives US Type Certificate (SSA in Action) [Sailplanes\PZL Krosno], page 17

Mal Gross, NAA Corner (NAA Corner) [National Aeronautic Association], page 19

Donald and Eric Roberts, (USA) Bid for the World (Class Design) [Sailplanes\Design; Sailplanes\World Class Sailplane], page 20

Mike Adams, Compass Input and the Computer Debate [Computers and the Internet; Instruments], page 28

Chris Hardenbrook, New Concept in Soaring: Fun [Espirit de Corps], page 30

Mark Kennedy, 15-Meter National Championships, Soaring is Alive and Well in Hobbs [Competitions\National\15-Meter Class], page 33

Photo-Pod-The Remote Wingtip Camera (New Products) [Photography], page 43

George Thelen, The Top Ten (Safety Rules Broken) (Safety Corner) [Safety], page 44

Arleen Coleson, Suggestions & Reminders (Cameras, Barographs, Observation Zones, Diamond Goal) (FAI Awards) [Awards\Badges\Requirements], page 46

#### November

Mark D. La Ciura, ASW-20 Flying over Windmills in the Tehachapi Valley, CA (Covers)

Dave Treinis, A Big Thank You (for Tom Stowers Soaring Safari) (Letters) [Credits/Appreciation; Expeditions], page 2

Hugh Damron, He Remembers (Ray Parker) Too (Letters) [Obituaries], page 2

Justin Wills, Thanks to Uvalde (Letters) [Credits/Appreciation], page 2

Dean Carswell, Instructors Need Experience (Letters) [Instruction], page 3

Fred McLemore, *Insurance - Another View* (Letters) [*Insurance*], page 3

Arthur R. Rosen, Advancements (In Avionics and Design) Needed (Letters) [Growth], page 4

Editor, Correction Noted (for Joe Robertson) (Letters) [Obituaries; Errata; People\Joe Robertson], page 4

John Doyel, The Odyssey of 3617Q (a Schweizer 1-36) Continued (Letters) [History], page 6

Paul Baur, A Point Made From Germany (Letters) [Sailplanes\Production/Availability], page 9

Dan Dreeben, Favors Intentional Rope Break (Letters) [Launching\Aerotow], page 10

Eric Greenwell, Panel Member Responds (Letters) [Wing Loading], page 10

Ingrid Kjenslie, Winner Recognized (Letters) [Competitions\Champions], page 11

Jim Payne, Thank You From Team USA (Letters) [Credits/Appreciation], page 11

Richard H. Benbough, Needs Registration Number (of Howard Morrison's Bowlus Baby Albatross) (Letters) [Solicitations; History], page 11

William S. Brewer, *Proposal for Manufacturing* (Letters) [Sailplanes\Production/Availability], page 11

Attention Clubs, Sites, and Business Members - New Directory.. Coming! (SSA in Action) [Publications], page 12

Results of Instructors' Questionnaire (SSA in Action) [Instruction], page 12

SSA Members Elect 9 New Directors (SSA in Action) [Soaring Society of America], page 12

Six Selected to Serve One Year Term as Director-At- Large (SSA in Action) [Soaring Society of America], page 12

Oral History Project Begun (by VSA) (SSA in Action) [Vintage Aircraft], page 16

VSA (Gross) Award Goes to Byard (SSA in Action) [Vintage Aircraft; Awards], page 16

(1991) Region 6 South Contest Report (Caesar Creek) (SSA in Action) [Competitions\Regionals], page 17

WSPA Announces XIV Seminar (at Caesar Creek) (SSA in Action) [Affiliates, Chapters, and Clubs\WSPA], page 17

Air Sailing Sports Class Contest '91 (SSA in Action) [Competitions\Local], page 18

In Memoriam: William Frank Kelsey (SSA in Action) [Obituaries], page 19

Parachute Changes of Interest to Soaring Pilots (SSA in Action) [Parachutes], page 20

Drug Awareness Working Group (DAWG) Succeeds (SSA in Action) [Federal Aviation Administration (FAA)], page 21

Can You Identify? (SSA in Action) [Sailplanes], page 22

Raul Blacksten, Nighthawk Part 1 [History], page 23

Ned Wilson, 1991 National Open Class and Motorglider Contest [Competitions\National (US)], page 26

John H. Campbell, The Collegiate Soaring Association [Collegiate Soaring], page 33

Peter F. Selinger, ASH-26E - The 18-Meter Sailplane with 18-Meter Span [Sailplanes\Schleicher\ASH-26E], page 37

Charles V. Lindsay, Using Forecast Made for the General Public [Meteorology], page 40

George Thelen, Motorgliders (Safety Corner) [Motorgliding], page 43

Arleen Coleson, Barograph Calibration Laboratories, Foreign Pilots Badge & Record Claims, & Record Deadlines (FAI Awards) [Instruments; Awards\Badges\Requirements], page 46

### **December**

Jochen Kruse, His Condor IV, the Seventh built by Schleicher, Inflight (Covers)

Aaron Johnson, (Youth) Needs Useful Input (on Sailplane Specs) (Letters) [Youth; Solicitations], page 2

Bill Leiserowitz, Likes (Microsoft Flight) Simulator (Letters) [Computers and the Internet], page 2

Dieter (Derek) Plapp, Goals Achieved (Letters) [Awards\Badges\Flights], page 2

J. Earle Johnson, Ka-7 or K-7? (Letters) [Maintenance and Improvements], page 2

Corwin Sharp, Calling All 1-23 (Owner)'s (Letters) [Sailplanes\Schweizer\SGS 1-23; Solicitations], page 3

Karl H. Striedieck, To POST - That's the Answer (Letters) [Competitions\Post Tasks], page 3

Alex Strojnik, Old is Relative (Letters) [Physiology\Medical Condition], page 4

Donald S. Hobel, *Good Idea for Growth (Community College Course)* (Letters) [*Growth; Instruction*\Ground Schools], page 4

Jim Short, Thanks for Strong Effort (on FAA Drug Rule) (Letters) [Credits/Appreciation; Federal Aviation Administration (FAA)], page 4

Paul W. Sowder, More Comments on More Comments (SSA in Action) [Commentary], page 4

Ted Sharp, Plug for Kolstad Scholarship (Letters) [Awards\Kolstad Scholarship and Awards], page 4

Marion C. Cruce, Deja Vu (July 27, 1970 at Llano, CA Again)? (Letters) [Awards\Badges\Flights], page 6

Mike Steinberger, OSTIV Membership is Available (Letters) [OSTIV], page 8

Dick Johnson, Commends WSC91 Issue (Letters) [Credits/Appreciation], page 9

Jon Held, Survey on High Altitude Damage (to Fiberglass) (Letters) [Maintenance and Improvements], page 9

Bertha Ryan, The World Distance Award (SSA in Action) [Awards\World Distance Award], page 10

SSA Films (Undergoing Restoration at NSM) (SSA in Action) [Soaring Society of America; Affiliates, Chapters, and Clubs\National Soaring Museum], page 10

SSA Offices to be Closed (SSA in Action) [Soaring Society of America], page 10

Karl Striedieck, In Memoriam: Rudolf Kaiser (SSA in Action) [Obituaries], page 11

(Dresser) Tire and Rubber CoAdds New Line (SSA in Action) [Maintenance and Improvements],

Bowlus SP-1 on Display (SSA in Action) [Restorations], page 11

Special Issue of Magazine (Directory of Soaring Sites) Update (SSA in Action) [Publications], page 11

Ed Byars, Region 4 S Contest New Castle, Virginia, September 15-20, 1991 (SSA in Action) [Competitions\Regional], page 12

John Daniel, 1991 Region 1 Contest (Sugarbush, VT) (SSA in Action) [Competitions\Regional], page 12

Ed Beck, A Very Unusual Soaring Photograph ("Circular Rainbow") (SSA in Action) [Meteorology\Halos], page 14

John Campbell, New (Robert Beverley Evans) Inter-Collegiate Trophy (SSA in Action) [Awards;

Collegiate Soaring], page 16

SSA Board Meets in Hobbs (SSA in Action) [Soaring Society of America], page 17

Crazy Creek Soaring Up and Going (SSA in Action) [Sites\Crazy Creek], page 18

In Memoriam: Thomas Page (SSA in Action) [Obituaries], page 18

Solaire Distributor for SZD Sailplanes (SSA in Action) [Sailplanes], page 18

Doug Martin, 1991 Region III Soaring Contest (Harris Hill, NY) (SSA in Action) [Competitions\Regional], page 19

Pat Philbrick, 1991 Region 12 Soaring Contest (California City) (SSA in Action) [Competitions\Regional], page 21

Gene Hammond, In Memoriam: Falk Hoffman (SSA in Action) [Obituaries], page 22

Raul Blacksten, Nighthawk Part 2 [History], page 23

Bertha M. Ryan, Paul Bikle - The Man; The Legend (1916-1991) [Obituaries; People\Paul Bikle], page 27

Don Roberts, The Beat Goes On! a Cygnet-World Class Update [Sailplanes\World Class Sailplane], page 35

Billy Hill, The Seven Day Regionals (Region 8 1991 at Ephrata, WA) [Competitions\Regional], page 37

Dave Hudnut, A Return to Harris Hill: Notes from the 1991 SHA Workshop [Homebuilts & Homebuilding], page 44

George Thelen, You Light Up My Life (Safety Corner) [Meteorology\Lightning], page 45

Arleen Coleson, Seasons Greetings! (FAI Awards) [Awards\Badges\Requirements], page 47

## 1992

# January

Michael Furman, Studio Shot of Dr. Robert Driscoll in the Cockpit of a Fiberglass Sailplane (cover) [Cover]

Frederich H. Schmid, Sour Grapes (Over Wing Span and Winglets) (Letter) [Wing Span; Winglets], page 2.

Stridhar V. Rao, Winglets, That is The Question (Letter) [Winglets], pages 2-3

C. O'Callaghan, Wing Loading Revisited (Letter) [Wing Loading], pages 3-4

Robert Vich, (Strojnik S-2A) Flies Like a Dream (Letter) [Motorgliding\Strojnik S-2A; Homebuilts], page 4

Roger A. Schert, Excuse Me, Mr. Schweizer (Keep Them in Production) (Letter) [Sailplane Production/Availability], pages 4,6

Edward Beck, Come Fly the Friendly Skies (of the Cleveland Soaring Society) (Letter) [Growth], pages 6,9

John Kane, Planform Idea (Parabolic, not Elliptical, Best) (Letter) [Aerodynamics], page 9

Karl H. Striedieck, Wing Span (On the Ground versus in The Air) (Letter) [Wing Span], page 9

Mike Butler, First Ride, Pleasant Experience (at Skylark North) (Letter) [Growth], page 9

Nathan Lemmon, Life After the TCA (for the Memphis Soaring Society) (Letter) [Airspace; Federal Aviation Administration (FAA)], page 9

Patrick Barry, Memories of Ray (Parker) (Letter) [Obituaries], page 9

Invitation Extended for Swe-Glide 1992 (SSA in Action) [International], page 10

Plans for International Open (Eskilstuna 1992) Announced (SSA in Action) [International], page 10

Solaire Announces New Sailplane Trailer (SSA in Action) [Trailers; Business Members], page 10

Update on Special Issue (Directory of Soaring Sites and Services) (SSA in Action) [Publications], page 10

Alan Reeter, (1991) Region 9 Contest (El Tiro) (Soaring in Action) [Competitions\Regionals], pages 10-11

Frank Collins, *Hawaii Civil Air Patrol Glider Camp* (SSA in Action) [*Civil Air Patrol*], pages 11-12 Gretchen Kellas, *Shirley Gimmey* [*Obituaries*], page 12

R.W. Carter, (Shirley) Gimmey Memorial Established [Obituaries], page 12

Gren Seibels, Is There Life After Soaring? [Physiology; Esprit de Corps], pages 15-17

Bob Hurni, 1991 1-26 Championships (Caesar Creek) [1-26 Association; Sailplanes\Schweizer\1-26], pages 18-24

Richard H. Johnson, A Flight Test Evaluation of the J-4 Javelin Sailplane [Sailplanes\Peterson J-4 Javelin; Aerodynamics\Flight Tests], pages 25-27

George Powell, The Stealth Glider [1-26 Association; Sailplanes\Schweizer\1-26; Outlandings; Oxygen], pages 28-30

Derek Piggott, Stalling or Low 'g' - That is The Confusion [Physiology], pages 32-34

Mike Grogan, Hallelujah! I Am Flying Again [1-26 Association; Sailplanes\Schweizer\1-26], pages 35-39

George Thelen, Safety Corner: (Wave Flight Amuck), by Dan Dunkel [Safety; Techniques\Wave Flying], pages 43-46

Arleen Coleson, New Soaring Awards Application Forms & Out with The Old (Seniors Records) and in with the New (Sports Class Records) [Awards\Badges\Requirements], page 49

## **February**

Jim Walasek, Guy Ford Byars in a LS-4 with UV Film on Canopy over Caesar Creek Soaring Club Gliderport (Waynesville, OH) (cover) [Sailplanes\Rolladen-Schneider\LS-4; Cover]

Charles M. Jamieson, Jr., Says He Has Answers (to Loss of US Sailplane Production) (Letter) [Sailplane Production/Availability], page 2

George Upshur, The Search for "N" (Letter) [History; Communications], page 2

Brian Marriott, (Mark III Flying by RAF) Memories Are Stirred (Letter) [International\Sites; History], pages 2-3

Earle Downing, Have Sailplane, Oxygen and Checkbook - Will Travel (Letter) [Wave Flying; Solicitations], page 3

Peter Masak, (University) Student (Design) Work on New Plane (Letter) [Sailplane Design], page 3

Cindy Brickner, *Idea for Brag Boards (of Soaring Accomplishments)* (Letter) [Communications; Promotion], pages 3-4

David Latour, Release Failure Recounted (Letter) [Release Mechanisms; Launching\Aerotow], page 9 Editor, Oops! (It's Bikle, not Bickle) (Letter) [Errata], page 9

Steve Wilsey, Seeks Info on New Planes (Like Commercial Motorgliders) (Letter) [Motorgliders; Solicitations], page 9

Tom Knauff, Call for Change (Sidebar Disclaimer on Some Contents) (Letter) [Publications], pages 9-10

Editor, (Response to "Call for Change") [Publications], page 10

Flight Instructors, Allinson, Gail: Student Responds (to Carswell's Instructor Qualifications) (Letter), pages 10-11

Fred C. Blair, Calling All Libelle Owners (Letter) [Solicitations], page 11

John Kane, Call For (Understanding of Non-Aviators and Some) Humility (Letter) [Growth], page 11

Lloyd P. La Plant, The Center (of the Glory) is the Center (Letter) [Reflected Rays], page 11

Dick Hollenberg, Joseph E. Rench [Obituaries], page 12

(Directory of Soaring Sites & Services) Coming Soon (SSA in Action) [Publications], page 12

Update of Keystone Gliderport (SSA in Action) [Soaring Sites], page 12

Tim Gossfeld, Region 2/3 (May 4-12, 1991) Non-Sanctioned Contest (Blairstown, NJ) (SSA in Action) [Competitions\Non Sanctioned], pages 12,15

Jim Smolen, Region 5 North Contest - 1991 (Ionia, MI) (Soaring in Action) [Competitions\Regionals], pages 15-16

Editor, Bowlus SP-1 on Display (at San Diego Aerospace Museum) [Museums; Errata], page 16

Coren D. Termal, A Visit to Yesterday (4th Annual Western VSA 1991 Regatta, Hemet, CA) [Vintage Aircraft], pages 18-21

Catherine Selner, Kamie Smith, and Annette Yorks, *Pursuit of a Career Through Gliding* [Youth], pages 22-23

Lou Frank, Luck or Judgement? Considerations When Faced with a Field Outlanding [Oxygen; Outlandings], pages 24-26

Val Brain, Barogram Analysis [Instruments; Cross Country Soaring], pages 28-29

Phil Petmecky, Thermaling Techniques [Techniques\Thermals and Thermaling], pages 30-31

Fred Fourcher, Collision Avoidance, To See and Not be Seen [Safety\Collision Avoidance; Airspace], pages 32-33

Peter C. King, The Ultimate (Wing) Tipskid [Aerodynamics], pages 34-35

Sandi and Ron Leonard, A Kansas Kowbell Klassic Adventure (in 1986 at Hutchinson, KS) [Youth; Competitions], pages 36-38

Harry Senn, Why 1-26's Don't Fly Sports Class [Competitions; 1-26 Association; Sailplanes\Schweizer\1-26], pages 39-41

High-Tech Indoor Climate Monitor (New Products) [Instruments], page 42

Arleen Coleson, FAI Sporting Code Change Official Observers [Awards\Badges\Requirements], page 46

George Thelen, Safety Corner: Hung Out - Too Dry (Plus Lightning Photos of Fabric Sailplane) [Physiology\Medical Condition; Safety\Accidents/Incidents; Meteorology\Lightning], pages 47-49

## March

Tom Stowers, Cliff Robertson Enjoying a Grob 102 Flight over the Sierra Mountains near Minden, NV (cover) [Cover]

Lee Janssen, Where is the Fun? (Too Many Gripes in Magazine Letters) (Letter) [Publications; Esprit de Corps], page 2

Stephen duPont, Solution to Span and Winglets Question (Letter) [Winglets; Wing Span], page 2

Bob Clark, A Success Story (Meggan Clark Solos on 14th Birthday) (Letter) [Family; Youth; Promotion], pages 2-3

Phil Ecklund, New Technology (GPS) the Answer? (Letter) [Instruments; Promotion], page 3

Tom Jona, Fish(ing) and (Soaring) Ships (Letter) [Promotion], page 3

Jim Maupin, The Continuing Freefall of Small Airplane Production in America (Letter) [Sailplane Production/Availability], page 4

Fernando Rueda, *Decline (in Aircraft and Soaring) Explained* (Letter) [Sailplane Production/Availability; Growth], pages 4,6

Editor, (Cygnet is US design) [Sailplane Production/Availability], page 6

Editor, (Hopes Readers Will Get Support the US Designed Cygnet) [Sailplane Production/Availability], page 6

Robert J. Welliever, Insurance Crisis or Other Factors? (Letter) [Insurance], pages 6-7

B.J. Butler, Knows the Answer (Photo is a Slingsby Cadet TX-3) (Letter) [History], pages 7-8

R.W. Carter, Source for (STS) Batteries (Letter) [Batteries], page 8

John Joss, Aviate, Navigate, Communicate (Letter) [Safety\Accidents/Incidents; Patterns and Landings], pages 8-9

Norman Jull, Ventus-Venti; Venta-Ventae (Letter) [Sailplanes\Schempp-Hirth\Ventus; Commentary], page 9

Ward Hindman, Unusual (Glory) Photograph Not So Unusual (Letter) [Reflected Rays], page 9

Bob Marshall, Sorry George!(Custom Rotax Installed in a Nimbus II) (Letter) [Motorgliding; Maintenance and Improvements], pages 9-10

Gordon Casamajor, What Happened to Diamond Sailplanes? (Letter) [Business Members], pages 10-11

Brad Hill, Wants Help with (Sailplane Design) Idea (Letter) [Solicitations; Homebuilts; Sailplane Design], page 11

Mark D. Bottino, 50th Anniversary for the Philadelphia Glider Council (SSA in Action) [Clubs and Chapters], pages 12-13

A New Self-Launcher: The DG-800 (SSA in Action) [Sailplanes\Glaser-Dirks], pages 13-14

Paul A. Schweizer, Bernard M. Carris [Obituaries], page 14

SSA and Sporty's Team Up (SSA in Action) [Promotion], page 14

Accident Prevention Manual for Glider Pilots (New Release) [Safety; Book Reviews], pages 14-15

A. Jonusas, Rebuts Report of (LAK Factory) Demise (SSA in Action) [Sailplane Production/Availability], pages 15-16

Nancy Graham, News on (FAI) Sporting Licenses (SSA in Action) [Records and Record Flights], page 16

Nancy Graham, Wander and Caesar Creek are #1 (Recruiters) (SSA in Action) [Growth], pages 16-17

André Volant, Fly in Polish Countryside (SSA in Action) [International\Sites], page 17

C.O.S.A. Newsletter, J. Kenneth L. McKay [Obituaries], page 18

New Soaring Seats (SSA in Action) [Cockpit], page 18

Charlie Spratt, Region 2/3 (Lockhaven, PA, 1991) Fall Classic Contest (SSA in Action) [Competitions\Non Sanctioned], pages 18-19

Steve duPont, Funny Foto Department, (photo) [Commentary], page 19

Yan Whytlaw, The 1000 KM Club [1000 Kilometer Flights], pages 20-23

Richard H. Johnson, A Flight Test Evaluation of the SZD-55-1 [Aerodynamics\Flight Tests; Sailplanes\SZD-55-1], pages 24-30

Doug Armstrong and Ken Shea, The 1991 US. National Open Class Auxiliary Powered Sailplane Contest (Minden, NV) [Competitions\National], pages 32-39

Gary Ragsdale, The35 Scale Cygnet-World Class Prototype [Cygnet], pages 40-41

Oleksa-Myron Bilaniuk, Soaring in Eastern Europe [International\Sites], pages 42-44

George Thelen, Safety Corner: Lightning Strikes Twice, by Gennaro Avolio [Safety\Lightning], pages 46-47

Arleen Coleson, FAI Sporting Licenses [Awards\Badges\Requirements], page 49

# **April**

Steve Hines, Airbrush Illustration of a Gliderport with 1-26's on the ground, a 2-33A in the air, a young woman, and an elderly man (cover) [Sailplanes\Schweizer\SGS 1-26; Cover]

Kathy Geary, You Are Never Too Young or Too Old (Son Has Private License at 16) (Letter) [Family], page 2

Mark D. Black, Love (to Soar) at First Flight (with a Buddy) (Letter) [Youth], page 2

Tom West, Memories of My First Soaring Flight (Letter) [Growth; Esprit de Corps], pages 2-3

Wade L. Hooker, First Encounter (with Soaring) (Letter) [Growth; Esprit de Corps], pages 3-4

Jack L. Sprankle, The Freedom of Flight (Letter) [Birds], page 4

Jim McCulley, My Start in Soaring (Letter) [Family], page 4

SSA Offers a Wide Variety of Soaring Options (SSA in Action) [Soaring Society of America\Affiliates and Divisions], pages 6-7,9

Gail Allinson, The Second Season [Esprit de Corps], pages 10-11

Paul J. Kaufmann and Annette Kobliska, You're Going Where? (To the Airport to Fly Without an Engine) [Esprit de Corps], pages 13-14

Bret Willat, The Physically Challenged and Soaring [Handicapped Accomplishments], page 17

Jim Smolen, To Fly Like a Bird [Promotion; Commentary; Birds], pages 19-20

Fred La Sor, No Matter When, No Matter Where: We're All Beginners Sometime [Esprit de Corps], pages 21-22

J.J. Jinx, The Development of DU.M.B.I.D.E.A.S. [Humor], pages 23-27

Supermen of Flight [Humor], page 27

George McManus, A Love Letter [Esprit de Corps], pages 28-29

Christina Mock, Soaring Through The Civil Air Patrol [Civil Air Patrol], pages 32-33

Alice J. Palmer, Become a Glider Guider [Promotion], pages 34-35

Rokki Ford Roberts, Waiting for Trigger\* \*Is Roy Missing Too? [Humor], page 36

Jane Taylor-Barrett, Pilot Wanted [Humor], pages 37-39

Jane Taylor-Barrett, A Distant Perspective [Esprit de Corps], pages 42-43

George Thelen, Reporting The Basics, by Chuck Griswold (Safety Corner), pages 44-47

Arleen Coleson, Little Pins [Awards\Badges\Requirements], page 49

### May

Robert Gaines, Two British Slingsby T-31's used for RAF Cadet Training Inflight (cover) [Cover]

Dan Pierson, Dawn of the Classics (into VSA Fold) (Letter) [Vintage Aircraft], page 2

Jack Wyman, New Fair Sporting Code Ruling (on Non-Related Observers) (Letter) [Awards\Badges\Requirements], page 2

Arthur R. Rosen, Correction to Safety Corner (on Dehydration, Energy, and Radios) (Letter) [Medical Condition; Errata], page 3

Joshua Foster, In Pursuit of Excellence (High School Sophomore Solos) (Letter) [Youth], page 3

William B. Cleary, Let's Preserve Soaring History (Letter) [History], page 3

Alex Burnette, Don't Take Safety for Granted (Letter) [Parachutes], pages 3-4

Dean Carswell, A Request for Contest Reporters (Letter) [Solicitations; Competitions], page 4

Mark Licker, Keep Up the Good Work (Safety Articles in Magazine) (Letter) [Credits/Appreciation], page 4

Bob Hess, What a Welcome! (Letter) [Credits/Appreciation], page 5

Colin McKinley, A Place to Go (Southern Soaring at Elkin, NC) (Letter) [Wave Flying], page 5

Flight Instructors, Allinson, Gail: Comments From a CFIG, SSAI, A-IGI (Letter), page 5

Gail Allinson, Comments From a CFIG, SSAI, A-IGI (Letter) [Errata], page 5

George Arents, Illumination on the Search for N (Letter) [Communications; History], page 5

Charlie Noble, Still More Loading (and Goading) (Letter) [Wing Loading], pages 5,7

Paul Stone, Thermal for Fun (Letter) [Techniques\Thermals and Thermaling], page 7

Randy Auburg, Liked February Issue (Letter) [Credits/Appreciation], page 7

Les Sebald, Questions "Call for Change" (Letter) [Instruments], pages 7,9

Eleanor Weidner, Liked Cover (Letter) [Credits/Appreciation], page 9

C. O'Callaghan, A Rule is a Rule (It's 150 Meters!) (Letter) [Wing Span], pages 9-10

Enrique S. Souffle, Student Wants Clarification (Letter) [Instruction; Communications], page 10

Orvis M. Knarr, Liked January Issue (Letter) [Credits/Appreciation], page 10

Zaramie Lindseth, (Youth) Appreciates Club (Letter) [Youth; Credits/Appreciation], page 10

Michael Osmers, Winglets Welcomed (Letter) [Winglets], pages 10-11

Bill Lang, Fed Up with High Costs (Letter) [Growth; Commentary], page 11

Jim Maupin, Says Blame Misplaced (Letter) [Sailplane Production/Availability], page 11

Peggy K. Dandridge, Suggested Fund Raiser (Auction) (Letter) [Growth], page 11

Tony Lauck, Writer Takes Exception (Letter) [Wing Loading], page 11

Thomas Tauber, (Luckiest Pilot Jan Anderson's Son), (photo) [Cherokee], page 13

(1992) Motorglider Nationals to be with Standards (in Littlefield, TX) (SSA in Action) [Competitions\National], page 13

National Roster (SSA in Action) [Publications], page 13

A New Soaring Group (Skyline Soaring) (SSA in Action) [Clubs and Chapters], pages 13-14

Writing Competition (for Lincoln Award) Opens (SSA in Action) [Awards\Lincoln Award; Publications], page 14

DG-600/18M LBA Type Certified (SSA in Action) [Sailplanes\Glaser-Dirks], pages 14-15

Jim Ross, George J. Mace [Obituaries], pages 15-16

Jess Walk, David Meeks [Obituaries], page 16

E. Gene Hammond, For the Fiscal Year Ended October 31, 1992 [Annual Report], pages 15-18

R.W. Moser, Charles Kelsey Hauke [Obituaries], pages 16-17

(Modeling) Help Needed on NSM'S Eogase Project (SSA in Action) [Solicitations; National Soaring Museum; Models], page 17

Do We Have a Problem Here? FAI Changes Policy on Official Observers (SSA in Action) [Awards\Badges\Requirements], pages 17-18

Symbols of the 1992 Tehachapi Wind Fair (SSA in Action) [Exhibits/Displays/Fairs], page 18

E. Gene Hammond, For the Fiscal Year Ended October 31, 1991 [Annual Report], pages 19-22

Gene Hammond, A Letter from the President (State of and Future for SSA), page 22

Ed Byars, CLT-92 [Conventions], pages 23-28

Julian West, Flying the Nimbus 4 [Motorgliders\Schempp-Hirth\Nimbus 4DM], pages 32-34

Clyde Taylor, Sports Class National Championships (1991 at Cordele, GA) [Competitions\National], pages 35-41

George Thelen, Glider Batteries (Safety Corner) [Equipment\Batteries], pages 42-44

George Thelen, Safety Corner: Ground Loop (and Hotellier Fitting Disconnect) [Safety\Accidents/Incidents], pages 45-47

# June

Karl Striedieck, John Seymour making a low pass in a Schleicher ASW-20B at Eagle Field near Port Matilda, PA (cover) [Cover]

Elmer Mooring, Jr., Let's Give Credit Where Due (Letter) [Errata], page 2

Gary Fogel, Needs Help on (History of Torrey Pines, CA) Project (Letter) [Solicitations; History], page 2

William J. Keck, Kudo to Our Writers (Letter) [Credits/Appreciation; Publications], page 2

Eric Beckman, Has Comments To Make (on the Swift, Winglets, and Insurance) (Letter) [Sailplane Production/Availability; Winglets; Insurance], pages 2-3

Bruce Patton, (Seniors:) Retire-But Only to the Back Seat (Letter) [Training; Medical Condition; Seniors], page 3

Dean Carswell, Writer Also Has Memories (of Slingsby T-31B) (Letter) [History], page 3

Les Sebald, New Need for Transponders (Letter) [Airspace; Instruments], pages 3-4

R.E. Schreder, Information on Flaps (Letter) [Aerodynamics; Patterns and Landings], pages 4,6

Pete Orengo, Winglets Do Cause Changes (Letter) [Winglets], pages 6-7

C.E. Matson, Likes Soaring on (Sporty's) Cover (Letter) [Credits/Appreciation], page 7

Leonard E. Eilbacher, (Schreder HP-18) Glider on Display (At EAA Museum, Oshkosh, WI) (Letter) [Museums], pages 7,9

Robert L. Hunter, Commercialization (of Magazine) Questioned (Letter) [Publications], page 9

Editor, (Response to Robert L. Hunter) [Publications], pages 9-10

Karl H. Striedieck, More on (LAK Factory) Changes (Letter) [Sailplane Production/Availability], pages 10-11

N.A. Sandberg, *Likes the Homebuilt Idea (For Producing More Aircraft)* (Letter) [Sailplane Production/Availability; Homebuilts], pages 11-12

Charlie "Lite" Minner, Ultralights and Parachutes (Letter) [Ultralights; Parachutes], page 12

Don Davis, Fly Cheap with CAP (Letter) [Civil Air Patrol], page 12

John McMurray, Reader Recalls Lightning Damages (Letter) [Safety\Lightning], pages 12-13

Alexander Rossulek, Fun Flying; Affordable Gliders (Like a Rebuilt Schweizer 2-33) (Letter) [Growth], pages 13-14

Stephen duPont, A Solution to Measuring Span? (Letter) [Wing Span], pages 14-15

David L. Bigelow, Polars at High Altitude (Letter) [Aerodynamics], page 15

Dereesa Purtell, She Found The Fun! (at Cloudbase) (Letter) [Esprit de Corps], page 15

Robin J. Passley, Another Young Soaring Pilot (Anne Wilson, Third Generation Pilot) (Letter) [Youth; Family], pages 15-16

Gale D. Johnson, Jr., A Call for Real Support-The Pocketbook (Letter) [World Class Glider; Cygnet; Solicitations; Sailplane Production/Availability], page 16

NSF Announces Annual Meeting (SSA in Action) [National Soaring Museum], page 18

Petersburg, West Virginia Wave Camp '92 (SSA in Action) [Wave Flying], page 18

SSA Expands Summer Office Hours (SSA in Action) [Soaring Society of America\Staff], page 18

Soaring Flight Youth Scholarships (SSA in Action) [Youth], page 18

Jim Payne, Rules Committee (1992) Report (SSA in Action) [Competitions], pages 18-19

Solaire Performance Sailplanes Appoints (Michael Slingluff) Sales Manager (SSA in Action) [Business Members], page 19

John Campbell, Youth Has a Future (Youth Memberships Up) (SSA in Action) [Youth], pages 19-20

Raymond Temchus, Jr., David B. Fraser [Obituaries], page 20

Call for 1994 (National) Contest Sites (SSA in Action) [Competitions\National], page 20

XIV Annual Seminar in Ohio (SSA in Action) [WSPA], page 20

Chuck O'Mahony, Salute (To Charlotte 1992 Convention)! [Conventions], pages 22-26

William Malpas, Who Was the First to Use a Variometer? [History; Instruments\Variometer], pages 27-30

Eric Roberts, Cygnet-World Class Update [Sailplanes\Cygnet], pages 32-34

Allen Silver, Emergency Bailout Procedures: It All Begins with Attitude and Preplanning Part 1 of 3 [Parachutes], pages 36-37

Jeff Byard, The Dust Devil Dash in a TG-2 (at Tehachapi, CA) or Doug and Jeff's Great Adventure [Vintage Aircraft; Sailplanes\Schweizer\TG-2], pages 38-40

Ed Byars, The SRA Glider Scale [Competitions; Wing Loading; Weight and Balance], pages 41-43

Jim Palmer, Soaring Telluride [Soaring Sites], pages 44-45

Arleen Coleson, New SSA Badge and Record Office Phone and Address

[Awards\Badges\Requirements], page 46

George Thelen, Safety Corner: How Safe Are We? (Especially on Aerotow) [Safety; Launching\Aerotow], pages 47-48

# July

Jeff Byard, Jeff's Schweizer TG-2 Resting Comfortably in a Field of Orange and Yellow Flowers (cover) [Sailplanes\Schweizer\TG-2; Cover]

Dean Carswell, (CFIGs) Still Needs Cross-Country (Letter) [Instruction], page 2

Flight Instructors, Carswell, Dean: (CFIGs) Still Needs Cross-Country (Letter), page 2

Moses J. Acee, The Real Story (About the Pilot and Glider in the Thomas Crown Affair) (Letter) [Celebrities], page 2

Don Walsh, The Cost is Real (Letter) [Growth], page 3

Jim Staniforth, Hang Gliding and the SSA (Letter) [Hang Gliding], page 3

Robert J. Welliever, There Might Still Be Hope (Letter) [Seniors], page 3

Tom Knauff, A Call For Another Signal (Rudder Waggle in the Air) (Letter) [Communications; Launching\Aerotow], pages 3-4

Thomas J. Fuller, Expansion to (200-Ft) Call Out Procedure (Letter) [Launching\Aerotow], page 4

Eric Greenwell, Schweizer's Not At Fault (Letter) [Sailplane Production/Availability], pages 4,6

Nicholas Kennedy, A Call For Cooperation (with USHGA) (Letter) [Hang Gliding], page 6

Robert H. Saxton, (Becker) Company Makes Good (Letter) [Radios], page 6

Shaun Keller, Checklist Needs to be Used (Letter) [Safety\Checklists], pages 7-8

Charles Castell, A Thanks to CI.I.S.S. (Letter) [Credits/Appreciation], page 8

Bill Houseworth, Info Wanted on SWIFT (Swept Wing Inboard Flap Trim Footlaunch and Info Provided [Solicitations; Ultralights], pages 8-9

J. Walker Joines, Another Need Expressed (for \$5-6K, Two-Place Motorglider) (Letter) [Growth; Homebuilts; Sailplane Design], page 9

William J. Keck, Mosquito Owners, Unite! (Letter) [Sailplanes\Mosquito; Solicitations], page 9

Frank L. Morse, Lightning and Batteries (Letter) [Equipment\Batteries; Safety\Lightning], pages 9-10 Heiner Biesel, A Hang Glider Pilot's Response (to Smolen) (Letter) [Birds; Hang Gliding], pages 10-11

L.C. Tarleton, "Decline Explained" Part II (Letter) [Growth], pages 11-12

William S. Brewer, Are You a "Secret Agent" (Letter) [Growth], pages 12-13

Fernando Rueda, A Glider from the Past (Letter) [History], page 13

Leonard V. Malsar, Many Great Memories (of Elmira, NY and Odessa, TX) (Letter) [History], page 13 Peter Orengo, Ultralight Sailplanes Are Needed (Letter) [Growth: Ultralights], page 13

Pete Williams, Minden Soaring Club Formed (SSA in Action) [Clubs and Chapters], page 14

William Malpas, Two New World Records (SSA in Action) [Records and Record Flights], page 14

Pete Williams, From the SLSPA; Self-Launching Safety Reminders (SSA in Action) [Motorgliding], pages 14-15

Frauke Elber, Airspace and History Center Opened (in Hampton, VA) (SSA in Action) [Museums], page 15

1991 Kolstad Winner: Tim Hanke (SSA in Action) [Awards\Kolstad Scholarship and Awards], page 15 Patrick Barry, Helmut Reichmann, (article) [Obituaries], pages 16-17

Gross Sky Ghost Scholarship Announcement (SSA in Action) [Youth], page 18

Oshkosh Bound (SSA in Action) [Solicitations], page 18

Special (Membership) Anniversaries (SSA in Action) [Soaring Society of America\Membership], page 18

Allen Silver, Emergency Bailout Procedures: Proper Fit, Escape and Deployment, Part 2 of 3 [Parachutes], pages 20-22

William Malpas, Speed is Distance Coupe D'Europe for Two-Seaters at Poitiers (France) [International], pages 24-25

Gerhard Marzinzik, Generation Change On-Board Computer Peschges VP-6 [Instruments], pages 27-31

John Campbell and Erik Nelson, *The First European Junior Gliding Championships* (1991 in Alleberg, Sweden) [Youth; Competitions\International], pages 33-38

Key Dismukes, *Borrowing Ideas for Soaring Safety* [*Physiology*\*Medical Condition*], pages 39-40 Jim Jenista, *Impressions of the Prue 160* [*Vintage Aircraft*], pages 41-42

Charles V. Lindsay, *The FP4 Maximum/Minimum Temperature and Weather Forecast* [Meteorology], pages 43-46

George Thelen, Safety Corner: Transition to Flight [Safety; Launching\Aerotow], pages 47-48 August

Chris Reeder, Pawnee Towplane and High Clouds at Dawn during Amerglide 1990 held at Minden, NV (cover) [Cover]

Paul Walter, A Father's Thanks to SSA (for Inspiring his Son) (Letter) [Credits/Appreciation; Family], page 2

Bill Thompson, (Summer) Side Trip (Caracole Soaring, Skylark North, and the Las Vegas Glider Group) (Letter) [Soaring Sites], pages 2-3

Bob Blaine, Help Wanted (on 55-Meter Wing Construction) (Letter) [Homebuilts; Solicitations], page 3

Greg Upshur, SSA is Fantastic! (Letter) [Esprit de Corps], page 3

S. duPont, Should We? (Remove Towplane Mufflers) (Letter) [Launching\Towplanes], page 3

Raymond C. Suiter, Questions Photo (with Windmills) (Letter) [Commentary], pages 3-4

Elmer E. Mooring, A Need for Accuracy (in 1991 Accident Reporting) (Letter) [Safety; Errata; Annual Report], page 4

Wayne Robinson, T-31's Alive and Well (Letter) [History; Vintage Aircraft], page 4

Claudio A. Ponte, *Thank You Cambridge Instruments* (Letter) [*Instruments*; *Credits/Appreciation*], page 5

Ingrid Kjenslie, Soaring High At 80 (Letter) [Seniors], page 5

Joseph G. Wilson, Is It Proper or Not? (Letter) [Humor; Commentary], page 5

Chris Young, A Look At Both Sides (Can't Get Flying Soon Enough) (Letter) [Growth], pages 5-6

C. O'Callaghan, Another Chapter from Poor Chris' Dictionary (Letter) [Wing Loading], page 6

Dean Carswell, Let's Reciprocate (Letter) [Solicitations], pages 6,8

Brad Kuda, Which Came First, The Glider or the Egg? (Self-Service Soaring vsThe People) (Letter) [Esprit de Corps], pages 8-9

Gary F. Kemp, Affordable Soaring (Letter) [Growth], page 9

Pete Williams, The Future of Powered Sailplanes: a Prediction (SSA in Action) [Motorgliding], page 10

Maintenance Alert - Glaser-Dirks DG-100 and DG-400 (Hotellier Connectors) (SSA in Action) [Sailplanes\Glaser-Dirks; Maintenance and Improvements; Equipment\Hotellier Fittings], page 10

A New Model: DG-300 Elan Acro (SSA in Action) [Sailplanes\Glaser-Dirks], pages 10-11

The DG-800 (SSA in Action) [Sailplanes\Glaser-Dirks], page 11

Guy Ford Byars, 1992 Wright Memorial Glider Meet (Caesar Creek) (SSA in Action) [Competitions\Non Sanctioned], page 12

William Ottley Named NAA Executive Director (SSA in Action) [National Aeronautic Association (NAA)], page 12

Ed Kilbourne, Bobby Bridges [Obituaries], pages 12,14

Bruce H. Carmichael, SHA 1992 Western Workshop (Scheduled for Labor Day Weekend at Tehachapi, CA) (SSA in Action) [Homebuilts], page 14

Wes Morris Family, Wes Morris ("Let Me Live Out My Years"), SSA in Action [Obituaries; Poems and Poetry], page 14

Guide to Racing Competition Available (SSA in Action) [Competitions], page 14

Pretty as a Picture (4 Grob Twin III Sl's) (SSA in Action) [Business Members], page 14

Michael Carris, Memorial Fund Announced: The Bernie Carris Memorial Award (SSA in Action) [Obituaries; Awards], page 15

Clem and Mary Bowman, Second Annual Senior Nationals Conclude (Seminole-Lake, FL) (SSA in Action) [Competitions\National\Seniors], pages 15-17

Frank Reid, (1992) Region V (North) Contest: a New Tradition Begins in Lancaster, South Carolina (Soaring in Action) [Competitions\Regionals], pages 17-18

Edward Slater, Torrey Pines Gliderport is Now a National Landmark (SSA in Action) [History;

Sites\Torrey Pines, California; Affiliates, Chapters, and Clubs\National Soaring Museum\Landmark], pages 18-20

Gerard Pahl, A TG-4A Finds a Home (at Kalamazoo Air Zoo, Kalamazoo Aviation History Museum, Kalamazoo, MI) [Museums; Sailplanes\Schweizer\TG-4a], pages 24-25

Jim Short, An Update on the SSA Regulatory Watch (Airspace, Airports, Pilot Certification, and Airworthiness) [Airspace; Federal Aviation Administration (FAA)], pages 27-28

M.I. Aricanova, et al., Soaring around the World [International\Soaring Sites], pages 29-36

Allen Silver, Emergency Bailout Procedures: Your Safe Return to Earth, Part 3 of 3 [Parachutes], pages 38-41

Bill Scull, Teaching Spinning [Instruction], pages 42-46

Sterling Starr, Scull, Bill: Teaching Spinning, pages 42-46

Hugh D. Colton, Gliding at Omarama on the South Island of New Zealand [International\Sites], pages 47-48

# **September**

T.J. Hedding, Acrobatics in a Grob 103A "Twin II Acro" over Turf Soaring School, AZ (cover) [Sailplanes\Grob 103A; Cover]

Editor, Editor's Note (on Letter Printing Policy) [Publications], page 2

Dave and Jill Fletcher, Soaring's Ten Commandments (Letter) [Esprit de Corps], pages 2-3

James E. John, *Urges Support (of Cygnet)* (Letter) [Sailplanes\Cygnet; Solicitations], page 3

Tim Gossfeld, Cover Shot Appreciated (Letter) [Credits/Appreciation], page 3

Glen Chambers, A Happy Day (Private Pilot After 17 Years!) (Letter) [Esprit de Corps], pages 4,6,8

Guy Byars, Information Needed on (Towplane) Exhaust Systems (Letter) [Solicitations; Maintenance and Improvements; Launching\Towplanes], page 4

Nathan Lemmon, A Fourteen Year-Old (Andy Lemmon, Memphis Soaring Society Pilot) Success Story (Letter) [Clubs and Chapters; Youth; Family], page 4

Robert Meer, What Will Be Will Bee (Letter) [Clubs and Chapters], page 4

Ken Kochanski, The Joy of Soaring (1000KM from Blairstown by Bob Templin and Ken Kochanski)! (Letter) [1000 Kilometer Flights], page 6

Robert Hibbard, (Eleven Year-Old) Likes Clouds (Letter) [Literature\Poems and Poetry], page 8

Max A. Peterson, *Memories of the J-4 Javelin* (Letter) [Sailplanes\Peterson J-4 Javelin; History], pages 8-9

Vic Saudek, He Remembers Back When (Early Audio Variometer - The Statoscope and the Effects of Lightning) (Letter) [Instruments; Meteorology; History; Safety\Lightning], page 9

Roger Podob, Agrees with (Orengo's) Winglet Analysis (Letter) [Winglets], pages 9-10

Cindy Brickner, A New Formula for Fun (Dual Cross Country Competition) (Letter) [Instruction; Competitions\Non Sanctioned], page 10

William S. Brewer, A Great Experience (Dual Cross Country Competition) (Letter) [Competitions\Non Sanctioned], page 10

Rafael Jorge Hernandez, An Argentine Connection (w/ Messerschmitt M23) (Letter) [History], pages 10-11

Al Fullerton, A Sea Story (Hobby HA-S2) (Letter) [Trailers; Vintage Aircraft], page 11

Jim Short, Airworthiness Directive on PIK-20 and PIK-20B Sailplanes (SSA in Action) [Federal Aviation Administration (FAA)], page 12

Ron Stock, Tony Lenkei [Obituaries], page 12

Tom Knauff, New (Five-Day) Glider Flight Training Course (SSA in Action) [Instruction; Training\Ground Schools], page 12

Availability of Airworthiness Directives Listings and Subscriptions (SSA in Action) [Federal Aviation Administration (FAA)], page 12

Guy Ford Byars, (1992) Region 6 South Contest (Caesar Creek) (Soaring in Action) [Competitions\Regionals], pages 12,14

Gail Truss and Les Arnold, Bill Rodenberg [Obituaries], pages 14-15

Jim Short, FAA Action Plan Seeks G(eneral) A(viation) Partnerships (SSA in Action) [Federal Aviation Administration (FAA)], pages 15-16

Ian McFall, The 15-Meter National Soaring Championships (Minden, NV) [Competitions\National],

pages 18-25

Bill Sproull, The SSA Eagle Program [Soaring Society of America\Staff; Growth], page 26

Gerard and Jean-Noel Herbaud, Vinon (France) to Fez (Morocco) [Records and Record Flights], pages 28-31

Raul Blacksten, Hail, Hail, The Gang's All Here or the 1992 VSA Western Regatta (at Hemet, CA) [Vintage Aircraft], pages 33-35

Linn Buell, The Eastern VSA Regatta (at Manning, SC) [Vintage Aircraft], pages 36-37

Gary Ragsdale, "It Can't Be Done?" Cygnet World-Class Update [Cygnet], pages 38-39

Gene Hammond, Charity Begins At Home [Promotion], pages 40-43

TR-720 Handheld Transceiver Available Once Again (New Products) [Equipment\Radios], page 45

Gene Hammond, Safety Corner: a Perspective on the SSA Safety Signals [Safety\Communications; Safety\Checklists; Instruction], pages 46-47

Arleen Coleson, FAI Sporting Code Reminders [Awards\Badges\Requirements], page 50

#### October

Nico Toutenhoofd, Self-Portrait with Bruce Miller in a Schweizer 2-32 Soaring over the Divide just West of Boulder, CO (cover) [Cover]

Kenny Price, Jr., It Works Both Ways (for Father and Son) (Letter) [Family], page 2

Vern Frye, NSA (Nevada Soaring) Has Found a Way (to Solo Youngsters at 14, Private at 16) (Letter) [Clubs and Chapters; Youth], page 2

Eric Greenwell, Doesn't Want Change (in Editorial Policy) (Letter) [Publications], pages 2-3

Eric Hunger, Appreciates Good Articles (Letter) [Credits/Appreciation; Publications], page 3

Hal Porter, Found (Parachute) Article(s) Informative (Letter) [Publications; Credits/Appreciation], page 3

John A. Carter, He Likes Sport and People (Letter) [Esprit de Corps], page 3

Rocco P. Caruso, All Ages React the Same (Just Takes Longer for Some) (Letter) [Seniors], page 3

David Latour, Let's All Push Soaring (Letter) [Esprit de Corps; Promotion], pages 3-4

Phil Glass, A Workable Recycling Plan (Letter) [Promotion; Publications\Reprints and Back Issues], page 4

Ann Dekorsi, Call For (Milwaukee School of Engineering/EAA Medal) Nominations (Letter) [Awards], pages 4,6

Amy Dilda, Look What She Started (the Whole Family Soloed!) (Letter) [Family], page 6

Norman H. Ellison, Wants a Membership Tie (Letter) [Promotion], page 6

T.E. Gilland, Another at Two Sports (Hang Gliding and Soaring) (Letter) [Hang Gliding], page 6

Harold Stephens, Hang Glider Pilots Are People Too! (Letter) [Hang Gliding], pages 6,8

Bill Jones, This Youngster (My Son the Pilot) is Successful (Letter) [Family], page 9

Roderick Read, A Foreign Exchange Proposal (Between Swiss and US Clubs) (Letter) [Solicitations], page 9

Ron Leonard, (Scoring Computer Program by Jim Bobo) Effort is Appreciated (Letter) [Computers and the Internet; Credits/Appreciation; Competitions], pages 9-10

Eric Beckman, Has Comments To Layton, Jerry: Can't We Do Something (Design an Ultralight)? (Letter) [Ultralights], page 10

Eric Greenwell, (Trip to Europe) Can You Help? (Letter) [Solicitations], page 10

Gary B. Swift, Another Proselyte (Letter) [Growth], page 10

Jerry Layton, Can't We Do Something (Design an Ultralight)? (Letter) [Growth], page 10

Mrs John Boileau, A New Soaring Pilot (Santa in a 1-34 on Christmas Cards) (Letter) [Promotion], page 10

W.E. Kant, Offers a Solution (to Walsh ltr) (Letter) [Growth], page 10

Walter S. Snell, (Gardner) Emmons Remembered (Letter) [Obituaries], page 11

Phil Petmecky, Cross-Country Instruction Important (Letter) [Instruction; Cross Country Soaring], pages 11-12

Mike Folks, Responsibility (for a Pilot to Do a Preflight) is Recognized (Letter) [Preflight], page 12

Tim Mara, Of Medicals, Schweizers, and Hang Gliders (Letter) [Hang Gliding; Sailplane Production/Availability; Medical Condition], page 12

George B. Moffat, Kudos for Charlie (Spratt) (Letter) [Competitions; Credits/Appreciation], page 13

Jim Short, Airspace Watch (SSA in Action) [Airspace; Federal Aviation Administration (FAA)], page 15

Student Engineers (at Penn State) Learn by Doing (SSA in Action) [Sailplane Production/Availability; Collegiate Soaring; Sailplane Design], page 15

Update on XXIII OSTIV Congress (SSA in Action) [OSTIV], page 15

Gliders Return to Lake Elsinore (CA) (SSA in Action) [Soaring Sites], pages 15-16

Stemme Motorglider Representatives Appointed (SSA in Action) [Motorgliders\Stemme S-10 Chrysalis], page 16

Jack Stewart, 1992 Region One Contest Report (Sugarbush, VT) (Soaring in Action) [Competitions\Regionals], pages 16-17

DG-600/18 Evolution Now Certified (SSA in Action) [Sailplanes\Glaser-Dirks], page 17

Billy Hill, Welcome to Littlefield (1992 Standard and Motorglider Class Nationals) or The Measure of Striedieck's Stride [Motorgliding; Competitions\National], pages 18-25

Alex den Ouden, Nothing Airy-Fairy About Sailplane Design [Sailplane Design; Aerodynamics], pages 26-30

Alan Reeter, Unexpected Control Disconnects [Safety\Maintenance and Improvements; Equipment\Hotellier Fittings], pages 31-32

John O. Graybill, Suggested Radio Procedures for Mode C Gliders Flying in And Around TCA's [Communications; Airspace], pages 33-35

Richard H. Johnson, Ventus a and C Flight Test Polars, Measured with and without Masak Winglets [Sailplanes\Schempp-Hirth\Ventus; Aerodynamics\Winglets; Aerodynamics\Flight Tests], pages 36-39

Garmin Unveils New Handheld GPS Receivers (GPS 55 & GPS 55 AVD) (New Products) [Instruments], page 40

Mal Gross, From The Cockpit. The Changing World and the FAI [National Aeronautic Association (NAA)], page 42

George Thelen, Safety Corner: Equipment (Water Ballast Problems) [Safety; Equipment\Hotellier Fittings; Ballast, Water and Other], pages 43-44

Arleen Coleson, FAI Sporting Code Changes Effective October 1, 1992 [Awards\Badges\Requirements], pages 48-49

### November

Mark Montague, Jim Musgrove Piloting a Blanik High Above Ephrata, WA (cover) [Cover]

Norman H. Ellison, World Class Sailplanes (Record Categories Wanted) (Letter) [World Class Glider], page 2

Randy Auburg, A Teenage Success Story: Hard Work Pays Off (Son Solos 25 Years After Father) (Letter) [Family], page 2

Bob O'Dell, Appreciates the "Extended Family" in Soaring (Letter) [Family; Credits/Appreciation], page 3

James L. Ross, (duPont) Landmark Recognized (Letter) [History], page 3

Robert Lee Moore, Motorgliders in Competition (Letter) [Motorgliding], page 3

Matt Hyatt, Decided to Renew (Letter) [Growth], pages 3-4

Paul A. Schweizer, *Photos (of Tommy Tucker's Bowlus) from an era long gone.* (Letter) [History], page 4

Walter "Tommy" Tucker, *The Early Days (1930 to 1942 in a Bowlus Albatross II)* (Letter) [History], pages 4,6

David Noyes, A Change of Scenery (in Livingston, Montana) (Letter) [Soaring Sites], page 6

Craig Davenport, Apologizes for Any (of Chris Young's) Misgivings (Letter) [Growth], pages 6,8

Derek Johnson, Why Soar? (Letter) [Esprit de Corps], pages 9-10

Walt Martin, We Can Do It (Give Rides to Prospects) [Esprit de Corps; Growth], page 10

William J. Berson, Low-Performance (10-meter) Motorglider Class Proposed (Letter) [Sailplane Design; Motorgliding; Growth], page 10

(The C Badge the) Second Time Around (46 Years later) (SSA in Action) [History; Seniors], page 12

Theresa Robb, 1992 Air Sailing (NV) Sports Class (Soaring in Action) [Competitions\Regionals], pages 12,14

Robert Davis, Samuel L. Crane [Obituaries], page 14

Nancy Graham, (1992) Region 7 Contest Report (Albert Lea, MN) (Soaring in Action) [Competitions\Regionals], pages 14,16

Bob Wander, Thanks for the (Oshkosh) Help (SSA in Action) [Credits/Appreciation], page 16

Imported (Romanian) Aircraft at Port Everglades (FL) (SSA in Action) [Business Members], page 16

FAA Seeks Info on Connector Control Fittings (SSA in Action) [Equipment\Hotellier Fittings; Federal Aviation Administration (FAA)], pages 16-17

LET L-33 Solo - World Class Glider (SSA in Action) [World Class Glider], page 17

Italy From the Top to the Bottom (SSA in Action) [Records and Record Flights; International\Sites], page 18

The (August 1991) Mystery (Photo) is Solved (It's a Japanese Tongbo) (SSA in Action) [History; International\Sites], page 18

World Class Glider Update (Seven Ground Evaluations, Three Have Flown) (SSA in Action) [World Class Glider], page 18

Kay Miner, 1992 Sports Class Nationals at Ephrata [Competitions\National], pages 20-23

Gil Roy and Dave Watts, Pair Flying [Competitions], pages 24-25

Bob Wander, A Growth Plan That Works [Growth], pages 26-27

Branko Stojkovic, Variometers Reconsidered [Instruments], pages 28-30

Thomas Drake, *Project Soar. The Youth Glider Program (Through Adrian Soaring Club and Soar Minden)* [Youth], pages 32-33

R.E. Geiger, Landing Patterns [Patterns and Landings], pages 34-38

Steve Maier, Hobbs Revisited: The 1992 Open Class National Championships [Competitions\National], pages 39-42

George Thelen, Safety Corner: Visitors To The Airport (Weight and Balance and Other Details Quiz), by John Esser [Safety\Weight and Balance; Airports], pages 44-45

#### **December**

Ed Golden, Mark Ackerly Landing his Schweizer 1-23 at Hinckley Airport, Hinckley, IL (cover) [Cover]

Jack Olson, Hanging It Up (Reflections after 62 Years) (Letter) [Esprit de Corps; Seniors], pages 2-3

Dave Cole, Adding It Up (What's Needed Now versus Then for Competition) (Letter) [Competitions; Instruments; Growth], pages 3-4

Dan Marotta, Advice on Water Filling (Letter) [Ballast, Water and Other Ballast], page 4

Michael Langton, Had a Great Time in US. (At Soar Minden) (Letter) [Sites; Launching\Aerotow], page 4

Russ McAnerny, New Life for Old T-Shirts (Letter) [Commentary], page 4

Mark A. Macaulay, (1992) Region X, Heart of Texas, Soaring Contest (at Brady, TX) (Soaring in Action) [Competitions\Regionals], pages 6-7,9

Terry Michaud, 1992 Little Guys Meet (Blairstown, NJ.) (SSA in Action) [Competitions\Non Sanctioned], pages 7,9

SSA Board Adopts Plan for New Award - The Hatcher Trophy (SSA in Action) [Awards], pages 10-11 Tasso Proppe, John Chambers [Obituaries], page 11

30th Anniversary (of Lennox Flight School) Celebration Planned (SSA in Action) [Soaring Sites], pages 11-12

Gary Kemp, Region 11 North Soaring Contest August 10-15, 1992 Montague, California (Soaring in Action) [Competitions\Regionals], pages 12, 14-15

Norma Ravnsborg, (Harold E) Ravnsborg in (Colorado) Aviation Hall of Fame [Obituaries], page 12

Shaun Keller, MIT Soaring Association at AirFair '92 (SSA in Action) [Exhibits/Displays/Fairs], page 12

Cindy Gertsen, 1992 Region 3 Soaring Contest Dansville, NY (Soaring in Action) [Competitions\Regionals], pages 15-16

Oran W. Nicks, The World Class Glider Competition, Initial Evaluation Complete [World Class Glider], pages 17-20

Dave Hudnut, The 1992 Eastern Sailplane Homebuilders Workshop (Monterey, NY) [Homebuilts], pages 21-25

Guy Ford Byars, 14th Annual Women's Soaring Seminar (1992 at Caesar Creek) [WSPA], pages 26-28 Gerhard Marzinzik, Quiet Power [Motorgliders], pages 30-32

Technical Soaring (List of Titles of 1992 Articles) [Publications\Technical Soaring], page 33

Phil Petmecky, A Bargain Flight Computer [Instruments], pages 34-37

B.J. Singleton, Preflight Planning and Preparation [Preflight], pages 38-39

Scott McMaster and Mark Janoska, *A Quantitative Evaluation of Tow Plane Letdown Procedures* [Launching\Towplanes], pages 40-43

Dan Matzke, Be There. in Air-To-Air Aerial Photography [Photography], page 44

George Thelen, Safety Corner: (Control) Hookups [Safety\Preflight; Launching\Aerotow], pages 46-47 Arleen Coleson, Deadlines for Applications [Awards\Badges\Requirements], page 49

#### Unknown

Gary Sack, Come Join Us in NW California (Letter) [Clubs and Chapters; Solicitations; Promotion], page 10

# 1993

# **January**

Rick Kasnoff, Advanced Soaring Composites American Spirit (cover) [Sailplanes\American Spirit; Cover]

Cy Marrion, Thanks to Greater Boston (Soaring Club and It's Instructors) (Letter) [Clubs and Chapters; Credits/Appreciation], page 2

Keith Beardslee, Nice Plane (That Schweizer 1-35C) with Museum Ties (Letter) [National Soaring Museum], page 2

Millard Wells, Drop Him (86 Year Old John Nowak) a Line (Letter) [Seniors; Solicitations], page 2

Doug Haluza, Stick to Established (Pattern) Procedures (Letter) [Patterns and Landings], pages 2-3

Al Barrett, Rapture of the (Chilhowee) Ridge (Letter) [Techniques\Ridge Soaring; Esprit de Corps], page 3

Bruce Helvie, One Way to Collect (Letter) [Commentary], page 3

Fernando J. Rueda, Help! (Needs New Glider Cost Data) (Letter) [Solicitations], page 3

Kevin J. Cullis, "Ditto" on Charlie (Spratt) (Letter) [Credits/Appreciation], page 3

Alan Negrin, He's found the Joy (at Ephrata, WA) (Letter) [Esprit de Corps], pages 3-4

Don Antelman, More on Control Quick Connects (Letter) [Hotellier Fittings], page 4

Wally Moran, (Father and Son Mike Moran) Proud of Nutmeg Soaring (Letter) [Family], page 4

Lou Hoffman, Has Another View (on Spoiler Open Signal) (Letter) [Launching\Aerotow], pages 4,7

John B. Hearn, Thanks for Excellent Article (by Reeter) (Letter) [Hotellier Fittings], pages 7,9

Ralph Turner, Like Father, Like Son (Letter) [Family], page 9

Michael Steckner, Questions Some SSF Reasoning (on Rudder Waggle Signal) (Letter) [Launching\Aerotow], pages 9-10

Bill Keck, High Cost in Indonesia (Letter) [Growth], page 10

Jack Sprankle, *Start Them Young Like Eric Sprankle*) (Letter) [*Family; Sailplanes*\Cherokee], page 10 Martha Wright, *Input on Barograph Theft (Needed)* (Letter) [*Solicitations*], page 10

Howard Burr, Tom Irwin [Obituaries], page 12

1993 European Women's Gliding Championship (SSA in Action) [Competitions\International], page 12

DG-500M Now FAA Type Certified (SSA in Action) [Sailplanes\Glaser-Dirks], page 12

Ted Smith, Keith Jackson [Obituaries], pages 12,14

Tom Knauff, Region 2 Seminar Announced (for March 6, 1993) (SSA in Action) [Instruction\Ground Schools], page 14

New Youth Soaring Scholarship Announced (SSA in Action) [Youth], page 14

Mike Packard, (1992) Region 12 (California City Airport) Contest Report (Soaring in Action) [Competitions\Regional], pages 14-15

John Campbell, (Junior) Team Named for European Contest (SSA in Action) [Youth], pages 15-16

Paula Gadowski, WSPA Breakfast (at Seattle Convention) Planned (SSA in Action) [Conventions;

WSPA], page 16

Sharon Smith, Weekend Warriors (at Dallas Love Field Static Display) (SSA in Action) [Exhibits/Displays/Fairs; Promotion], page 16

Jim Smolen, (1992) Region 6 North Contest (Ionia, MI) (Soaring in Action) [Competitions\Regional], pages 16-17

Official Scoresheet Corrected for 1992 Standard Class Nationals (SSA in Action) [Competitions\National; Errata], page 17

Jeff Byard, A Flight to Remember (in a 1939 Bowlus Baby Albatross) [Vintage Aircraft], pages 20-21

Galen Fisher, The American Spirit is Here [Sailplanes\American Spirit and Spirit XL], pages 22-24

Pete Williams and Blanton Owen, *The Great American High Country Safari 1991 & 1992 Style (Nevada, Idaho, Wyoming, and Utah) [Expeditions]*, pages 25-35

Stewart Midwinter, Soaring, (Hang Gliding, and Paragliding) Which Flavor Do You Like? [Hang Gliding], pages 36-39

Luan & John Walker, 1992 1-26 Championships (Midlothian, TX) [1-26 Association; Sailplanes\Schweizer\1-26], pages 40-44

George Thelen, *Undershoot-Overshoot*, by Nathan Lemmon (Safety Corner) [Patterns and Landings], pages 45-46

### **February**

Bill Anderson, Baby Bowlus at Vintage Sailplane Regatta at Hemet/Ryan (cover) [Cover]

Dieter Plapp, Why This Fatal Accident? (Involving Helmut Reichmann) (Letter) [Safety\Accidents/Incidents], page 2

Frank LaCroix, Youth Are Active at Nutmeg (Letter) [Youth], page 2

Gerry Bell, Comment on (the Use of) Chutes (Letter) [Parachutes], page 2

John F. Good, *Help is Needed (to Compton, Fritz: You Can't Fly That Save Gliderport in PA)* (Letter) [Solicitations; Airports], page 2

Arthur Illiano, Jr., Newcomer Has Suggestions (to Aid Understanding) (Letter) [Publications], pages 2-3

Cliff Oliver, Wing Dropping During (Aerotow) Launch (Letter) [Launching\Aerotow], page 3

Eugene Salvatore, A Call For a Change (in Preflight Preparation) (Letter) [Preflight], page 3

Jim Cunningham, A Unique Welcome to SSA (from Ted Sharp) (Letter) [Growth], page 3

Kristopher Schweizer Evans, A Fond Memory (of his first flight at age fourteen) (Letter) [Youth; Esprit de Corps], pages 3-4

J.G. Mercer, This One (TJ. Mercer Solos Three Gliders) Was Busy (Letter) [Family], page 4

Philip A. Petmecky, (Inexpensive Flight) Computers Now Available (Letter) [Instruments], page 4

Jim Dickinson, Wants to Say Thanks (for Article and Cover) (Letter) [Publications; Credits/Appreciation], pages 4,6

Richard Glover, Youngster on the Ball (Letter) [Youth], page 6

International Wrap Up, 1992 (South African, German, French, Sweden, French Teams Announced, Trophies and Championships Announced) (SSA in Action) [Competitions\International], pages 7,9-10

Frank Reid, A Review of the Gliderport Management System (SSA in Action) [Computers and the Internet], page 10

Stu Schweizer, Nominations Sought for (Gross Sky Ghost) Award (SSA in Action) [Youth], page 10 Wally Wallington (SSA in Action) [Obituaries], page 10

Victor M. Saudek, *Reunion at Bishop - After Four Decades* (SSA in Action) [*Techniques\Wave Flying; History*], page 12

National Soaring Foundation Announces (Jack Gomez Memorial) Soaring Award (SSA in Action) [AwardsTrophies; National Soaring Museum], page 13

Pete Williams, Minden Remains Active (at Douglas County Airport) (SSA in Action) [Airports; Sites], pages 13-14

Henry C. Godman, *Thanksgiving Turkeyfest in Alamogordo, New Mexico* (SSA in Action) [Competitions\Non Sanctioned], pages 14-15

Walt and Alice Bybee, Randy King [Obituaries], pages 15-16

Clyde Taylor, (1992) Region V South Soaring Contest (Cordele, GA) (Soaring in Action)

[Competitions\Regional], pages 16-17

Derek Johnson, South Carolina's New Soaring Operation (at Ridgeland) (SSA in Action) [Sites], page 17

John H. Campbell, EAA Young Eagles (SSA in Action) [Youth], page 17

Nikolai Kresse, Richard H. Johnson, and Bruce Beddow, A Flight Test Evaluation of the Krosno KR-03A Two-Place Trainer [Aerodynamics\Flight Tests], pages 18-22

Gillian Spreckley, In Bohemia's Woods and Mountains (or Adventures in Budweiser Land) [International\Sites], pages 24-26

Cygnet in Europe [World Class Glider; Sailplanes\Cygnet], pages 28,32-33

Charles V. Lindsay, Obtaining and Using Weather Maps [Meteorology], pages 34-37

Fritz Compton, You Can't Fly That Glider Here!, pages 38-39

Wally Raisanen, Future Contest Procedures [Competitions], pages 40-41

Roy McMaster, Soaring in Iceland? [International\Sites], pages 42-45

Borgelt B-100 Flight Data Computer GPS Receiver Option (New Products) [Instruments\Flight Computers], page 48

George Thelen, Tow the Line, by Dick Flanagan (Safety Corner) [Launching\Aerotow], pages 50-51

#### March

Mark D. LaCiura, Carbon Dragon Inflight above a Bright Yellow Waco Biplane at Mountain Valley Airport (cover) [Cover]

Patti Johnson, Another Young Achiever Noted (Brannan Johnson Solos on 14th Birthday) (Letter) [Family], page 2

Giltner, Sam: 25 Years for Region 5 North (at Chester, SC) (Letter) [Competitions\Regional], page 2

Francisco Ferraz Santos, Early Release a Problem (Letter) [Maintenance and Improvements; Release Mechanisms], pages 2-3

Jon Sigurdsson, *The Soaring Was Great (in Poprad Aeroclub Slovokia)* (Letter) [*International\Sites*], page 3

Peter Masak, Another Way to Control Costs (Letter) [Growth], page 3

Stewart Crane, An Open Letter to Jack Olson (Letter) [Seniors], pages 3-4

Abby Sternthal, Is Such a (Motorglider) Thing Possible? (Letter) [Motorgliders], page 4

Grady Dodge, Thanks to Turf (from a 16 year Old Pilot) (Letter) [Credits/Appreciation; Youth], page 6

Max Karst, Has An Idea For Hook Ups (Use Red Flag) (Letter) [Preflight], page 6

Sky Sailing, Caesar Creek Top Recruiters in 1992 (SSA in Action) [Promotion], page 7

Additional Airworthiness Notifications (Grob Airbrakes & Glaser-Dirks Airbrake Controls) (SSA in Action) [Sailplanes\Glaser-Dirks; Sailplanes\Grob; Federal Aviation Administration (FAA)], page 8

Schempp-Hirth Elevator Control Rod Service Bulletin (SSA in Action) [Sailplanes\Schempp-Hirth\Duo Discus; Maintenance and Improvements], page 8

Special (Membership) Anniversaries (SSA in Action) [Soaring Society of America\Membership], pages 7,9

Paul A. Schweizer, Robert C. "Bob" Kidder [Obituaries], pages 9-10

S.V. Starr, "Silent Wings At War, Combat Gliders in World War II" by John L. Lowden (New Books Reviewed) [Book Reviews], page 10

Jim Short, FAA Action Plan Seeks General Aviation Partnerships (SSA in Action) [Federal Aviation Administration (FAA)], pages 10,12

Solaire Assists (US) Aerobatic Team (SSA in Action) [Aerobatics], page 12

Youth Camp (at Pocono Mt. Airport) Makes Plan (SSA in Action) [Youth], page 12

Gary Rubus, Soaring: Russian Style [International\Sites], pages 14-22

Tom Knauff, Teaching Landings [Patterns and Landings; Instruction], pages 24-29,32

Bill Scull, Designed by Men for Men [Cockpit], pages 34-37

Bruce Carmichael, 1992 Sailplane Homebuilder's Western Workshop (at Tehachapi, CA) Best Ever! [Homebuilts & Homebuilding], pages 38-41

Sterling V. Starr, 1000KM in the Sky! (Over the Sierra and White Mountains) [1000 Kilometer Flights], pages 42-45

Arleen Coleson, Just for Fun Long Flights [Badges\Requirements], page 49

George Thelen, Auto Tow, by Walter Gleason (Safety Corner) [Launching Autotow], pages 50-51

# **April**

Mike Cavanagh, Bill Patterson and Doug Houston Soar the Titcomb Basin in the Wind River Range near Ganett Peak, Pinedale, Wyoming (cover) [Cover]

Don McMann, Silent Too Long (Thanks to Instructors, Stop Arguing in Soaring) (Letter) [Credits/Appreciation; Publications], page 2

Norman Benedict, Updating Primary Glider (Design) (Letter) [Sailplane Design], page 2

R.E. Geiger, Falsely Accused (of Recommending Procedures Contrary to Practice) (Letter) [Patterns and Landings], page 2

Steve Hines, (Cover) Photo Credit Announced (Letter) [Credits/Appreciation], page 2

Philip A. Petmecky, Using Casio's Altimeter Watches (Letter) [Instruments], pages 2-3

Brian A. Bird, Don't Use Tost Rings on Schweizer Hooks (Letter) [Release Mechanisms; Launching\Aerotow], page 3

Russell Millar, Andrea Burgess [Obituaries], page 4

Fly and Make the World Turn (August 1993 WGAC in Venlo, Netherlands) (SSA in Action) [Aerobatics], page 4

Helmuth H. Fischer and Bill Malpas, 1992/93 International Gliding Camp (South Africa) (SSA in Action) [Expeditions], pages 4,6

Bill Hill, Racing on the One Oh Six (Region 9 to be this June in Moriarty, CA) (Soaring in Action) [Competitions\Regional], pages 6-7

1992 Kolstad Winner Announced (David Graham) (SSA in Action) [Youth; Awards\Kolstad Scholarship and Awards], page 9

Maiden Flight of the Duo-Discus (SSA in Action) [Sailplanes\Schempp-Hirth\Duo Discus], page 12

Peter F. Selinger, Glasflugel Innovations and Three Jubilees [Sailplane Production/Availability], pages 14-17

Mike Adams, L'Hotellier Fittings - Are They The Problem? [Equipment\Hotellier Fittings], pages 18-21

Scott McMaster, Quantitative Evaluation of Piper Pawnee Tow Plane Letdown [Launching\Tow-planes], pages 22,24-25

Nikolai Kresse, First Flight of the FS32 [Sailplanes\FS32], pages 27-30

Doug Haluza, Why Does Airspeed Increase When Entering a Thermal? [Techniques\Thermals and Thermaling], pages 31-34

Lou Frank, 'To Spin, or Not To Spin' (that is the question..) - a life-saving alternative, pages 35-36

Sterling Starr, Frank, Lou: 'To Spin, or Not To Spin' (that is the question..) - a life-saving alternative, pages 35-36

Billy J. Singleton and James E. Toombs, *The Pilot Proficiency Program* [Federal Aviation Administration (FAA)], page 37

Bill Meier, The New Airspace Changes [Airspace], pages 38-41

George Thelen, Disconnect (of Elevators) (Safety Corner) [Safety\Preflight], pages 44-46

Arleen Coleson, Official Observers, Silver Distance, and Diamond Goal Changes [Badges\Require-ments], page 49

# May

Maurice Jennings, Front View of Bill Hunt's 1-26 Properly Loaded onto an Open Trailer at the Caesar Creek Wright Memorial Glider Meet (cover) [Sailplanes\Schweizer\SGS 1-26; Cover]

Dale M. Massey, He Values his Ground Crew (Letter) [Crewing], page 2

David Wallace, Kudos to Cygnet [Sailplanes\Cygnet], page 4

Sebastian Huhmann, A Year Here (USA) for a Year There (Germany) (Letter) [Youth; Solicitations], page 4

John Hearn, Needs to Clarify Wording (Letter) [Errata; Equipment\Hotellier Fittings], pages 4,6

Rob Chilcoat, Needs to Locate (Kingman WWII) Veterans (Letter) [Solicitations], page 6

Steve du Pont, Experience is Important (Letter) [Patterns and Landings; Instruction], page 6

Gail Fitzhugh, Is Tach Reading Enough (for Tow Van)? (Letter) [Launching\Autotow], pages 6-7

Bob Nemecek, The Baby Bowlus Remembered (Letter) [Sailplanes\Baby Bowlus; History], page 7

Mike McIntyre, Any SZD-24 Foka Owners Out There? (Letter) [Solicitations], page 7

Randy Auburg, (Crosswind) Tow Procedure Discussed (Letter) [Launching\Aerotow], page 7

Ted Mathis, You Can, If You Try! [Airports], page 7

John Schwenk, Soaring the Vivat, L-13 SEH Motorglider, Letter to Moravia Newsletter [Motorgliders], page 8

Jane Taylor-Barrett, *The Tehachapi Wind Fair* (SSA in Action) [Exhibits/Displays/Fairs], pages 9-10,12

Jeff Byard, Don Mitchell [Obituaries], page 9

Paul A. Schweizer, Co-Founder of Schweizer Aircraft, Awarded Honorary Doctorate (SSA in Action) [Awards], page 9

Schempp-Hirth Duo-Discus (Described) (SSA in Action) [Sailplanes\Schempp-Hirth\Duo Discus], page 12

Tom Pratt, Howard Zothner [Obituaries], pages 12, 14

Frances Petry, Loren V. "Pete" Petry [Obituaries], page 14

Steve Maier, Vince Hinds [Obituaries], page 14

STS Handheld Update (SSA in Action) [Equipment\Radios], page 14

Gene Hammond, A Letter from the President (State of and Future for SSA) [Soaring Society of America\President], page 18

Chuck O'Mahony, Soiree in Seattle (to the 1993 Convention) [Conventions], pages 19-22

Graham Horsnell, *Impressions of Soaring in Italy, An Australian Perspective [International\Sites]*, pages 24-27

Alan Reeter, How We Choose Champions [Competitions\Post Tasks], pages 28-32

Jose Eduardo Pla, Sailplane Program in the Argentine School of Naval Aviation [Instruction; International\Sites], pages 33-37

Larry Sanderson, *The Young Eagles Program, SSA Joins Forces with EAA [Soaring Society of America\President's Report; Youth]*, pages 38-40

David Colling, HP-18 Aileron Roll Control Problem is Solved [Aerodynamics; Maintenance and Improvements; Sailplanes\Schreder HP-18], page 41

George Thelen, *Open Spoilers-Again (Back By Popular Demand)* (Safety Corner) [Safety\Preflight; Safety\Checklists], pages 42-44

Arleen Coleson, Pre-Season Reminders [Badges\Requirements], page 49

#### June

Joseph Bennis, Collection of 15 Soaring License Plates (cover) [Cover]

Elanor Klemperer Velarde and Walter Klemperer, *Thanks to All (Barnaby-Klemperer 100th AnnivCelebration)* (Letter) [*History; Conventions*], page 2

John C. Kaplan, Has Some Questions (for Haluza)? (Letter) [Techniques\Thermals and Thermaling], page 2

Jim Marske, Auto Tow Procedures (Using a Line Tension Meter) (Letter) [Launching\Autotow], pages 2-3

Roger Brewer, Another (Jack) Olson Fan (Letter) [Seniors], page 3

Roger Erickson, (Sonia Erikson) Likes Soaring at Young Age (Letter) [Sailplanes\Cherokee], page 3

Tammy Chapa, Requesting Crew Stories (Letter) [Solicitations; Crewing], pages 3-4

Dale Peterson, (British Two Seater, Open Cockpit) What is It? (Letter) [International\Sites; Vintage Aircraft; Solicitations], page 4

George A. Mesiarik, *Info on 2-33 Canopy (from LP Aero Plastics)* (Letter) [Sailplanes\Schweizer\SGS 2-33], page 4

Paul A. Schweizer, Sailplane Fleet Update (Letter) [Sailplane Production/Availability], page 4

Andrew J. Hall, *Has Thoughts on Auto Tow (Provides Safe Takeoff Profile)* (Letter) [Launching\Autotow], pages 4,6

David Habercom, Likes Red Cap (During Preflight), Too (Letter) [Preflight], page 6

Ross W. Hand, More on Nutmeg (Tradition and Chris Hand) (Letter) [Family; Esprit de Corps], pages 6-7

Richard Horigan, Back To Basic Glides (Letter) [Sailplane Production/Availability; Instruction], pages 7-8

Jason Gregg, New POST Program (Letter) [Competitions\Post Tasks], page 8

Lou Wipotnik, 25 Years (a CFI) Celebrated (with Obtaining CFIG) (Letter) [Credits/Appreciation],

page 8

Peter Layne, Needs Some Information (on Mosquitos) (Letter) [Solicitations], page 8

Editor, Oversight Correction (on Towplane Article Authors) [Launching\Towplanes; Errata], page 10

Tony Burton, 1993 Canadian National Soaring Contest (Announced for Saskatchewan) (SSA in Action) [Competitions\International], page 10

NiCad Inserts for Airband Handheld (SSA in Action) [Equipment\Radios; Equipment\Batteries], page 10

Maintenance Manual Available for L'Hotellier Control Connectors (SSA in Action) [Hotellier Fittings; Maintenance and Improvements], pages 10-11

Editor, 15-Meter Class Region 10 Contest Co-Champion [Errata], page 11

Jim Short, *Identification Plate Exemption Extended* (SSA in Action) [Federal Aviation Administration (FAA)], page 11

Paul A. Schweizer, Catherine P. Jones [Obituaries], page 11

The Harris Hill Junior Member Program (SSA in Action) [Youth], pages 11-12

Call for 1995 (National) Contest Sites (SSA in Action) [Competitions\National], page 12

John Mahony, Salto in Production Again (by Frank and Waldenberger) (SSA in Action) [Sailplane Production/Availability], pages 12,15

Jan W. Steenblik, *Nine Net Diamonds over Petersburg (WV)* (SSA in Action) [Sites; Badges\Flights], page 15

Jim Short, Private Tow Pilot Exemption Renewed (SSA in Action) [Federal Aviation Administration (FAA)], page 15

Oshkosh '93 (Help Solicited) (SSA in Action) [Exhibits/Displays/Fairs; Solicitations], page 15

FAI through the IGC, World Class Winner Announced - The PW-5 [World Class Glider], page 16

Bob Chase, The 1993 SSA National Convention (in) Seattle, Washington [Conventions], pages 18-20

Peter C. Masak, Design of Winglets for Sailplanes [Winglets], pages 21-27

William Malpas, World Soaring Records [Records and Record Flights], pages 28-33

Michael Ziomko, "Soaring Pioneers Commemorated" (Barnaby and Klemperer) [History], pages 34-35

Billy Hill, Team Flying and the Lowtime Race Pilot [Competitions], pages 36-37

William D. Mulkins, Chasing Ghosts [Techniques\Thermals and Thermaling], pages 38-39

Don Frost, The FAA Designated Pilot Examiner [Federal Aviation Administration (FAA)], page 40

Wx/Block System Gel Coat Protection (New Products) [Maintenance and Improvements], page 41

George Thelen, Auto Tow Revisited, by Karl Allmendinger (Safety Corner) [Launching\Autotow], pages 43-45

Arleen Coleson, Official Observers, State Soaring Records - Sports Class [Badges\Requirements], page 49

### July

Yasuhiro Yama, Takashi Kato in an Inverted Flight Pilatus B4 at the Japan Shk Sports Exhibition at Hondo Airport (cover) [Cover]

Harry V. Senn, Has Information to Share (SOARCONT, RAOB, DUAT Plea) (Letter) [Federal Aviation Administration (FAA); Computers and the Internet; Meteorology; Competitions], page 2

Jim Bobo, Useful Program Available (RAOB from SSA) (Letter) [Computers and the Internet; Meteorology], page 2

Michael S. Finegan, SSA Organization Was Source of Help (wants help with N4622S History) (Letter) [Solicitations; Credits/Appreciation; Soaring Society of America\Governors], page 2

Bill Saunders, Remembering a Special Day (with my Daughter as PIC) (Letter) [Family], pages 2-3

Gail Allinson, Says Wander's Plan Works (Letter) [Growth], page 3

John Corbett, Had a Great Week of Soaring (at Turf) (Letter) [Instruction; Sites], page 3

Duane Eisenbeiss, Controversy-Not All Bad (Safety Corner, Good) (Letter) [Credits/Appreciation; Publications], pages 3-4

Lt. Col. Ernest Meyer, CAP Offers a Thank You to Turf [Civil Air Patrol], page 4

Richard Kellerman, In Support of Safety Corner (Letter) [Credits/Appreciation], page 4

Rolly Clark, Thoughts on All the New Gadgets (& Sports Class Competition, (Need a Naked Class!)) (Letter) [Competitions], pages 4,6

John Patrick, Great Memories (After 50 Years of Flying) Are Recalled (Letter) [Esprit de Corps], page 6

Philip Petmecky, Comments on (Auburg's) Tow Plane Procedure (Letter) [Launching\Aerotow], page 6 Sterling Starr, DuPont, Steve: Advocate of Spins (Letter), pages 6,8-9

George Nuse, Likes This Sport of Soaring (Letter) [Esprit de Corps], page 9

Norman Dibble, Wants Help Finding Bowlus Albatross (Letter) [Vintage Aircraft], page 9

COMAV/SAFECO Takes Over SSA Insurance Program (SSA in Action) [Insurance], page 10

Hal Bruning, 3rd Annual Senior National Soaring Festival (Seminole-Lake, FL) (SSA in Action) [Competitions\National\Seniors], pages 10-12

Clarence See and Paul A. Schweizer, Lee Woods [Obituaries], page 12

Ed Slater & Gary Fogel, Torrey Pines Listed As Historic Place (SSA in Action) [Sites], pages 12,14

Australia Says No to Foreign Soaring Operations (SSA in Action) [International\Sites], pages 14-15

 $(1993)\,Australian\,Nationals\,Results\,(SSA\,in\,Action)\,[\textit{Competitions}\backslash Internationals],\,page\,\,15$ 

Annual Meeting of SSA Trustees (SSA in Action) [Soaring Society of America\Trustees], page 15

Motorgliders in Competition with Pure Sailplanes (SSA in Action) [Motorgliders], page 15

Wanted-European Organizer! (SSA in Action) [International], page 15

Ed Anderson, Solaire Announces World Class Plans (SSA in Action) [World Class Glider], pages 15-16

Ed Anderson, GAPA (PW-2 Ultralight) at Sun'N Fun (SSA in Action) [Ultralights], page 16

John Roake, News from New Zealand (SSA in Action) [International\Sites], page 16

Patricia Valdata, Just Like a Hawk [Esprit de Corps], pages 18-21

Jim Hurst, What Makes Caesar Creek Tick? [Clubs and Chapters], pages 22-25

Jack Lambie, The Near Death Experience [Techniques\Wave Flying], pages 26-28

Tim Gossfeld, Flight Test Report on the Cambridge L-Nav [Instruments], pages 29-30

Herbert J. Greenberg, Winching in Bavaria [Launching\Winch; International\Sites], pages 31-32

Peter C. King, Goop! [Maintenance and Improvements], pages 33-34

Raul Blacksten, Backsaver [Preflight], pages 35-37

Bertrand Handwork, The Way It Was [Instruction], page 38

Bertrand Handwork, The Way It Is [Instruction], page 39

Geoffrey C. Nieboer, The Way It Is [Instruction], page 39

George Thelen, Another View, by Gary Quast and Cynthia Donovan (Safety Corner) [Safety\Hotellier Fittings], pages 41-43

Arleen Coleson, Official Observers Take Note! [Badges\Requirements], page 45

Andrew McKittrick, *Getting Into The Spirit [Sailplanes\American Spirit and Spirit XL]*, pages 46-48 **August** 

Jon Silengo, Ron Murphy in his Rollanden-Schneider LS-4a over Val-Air Soaring in Durango, CO (cover) [Sailplanes\Rolladen-Schneider\LS-4; Cover]

Peter Durbin, Judging Circuit and Landing Angles (Letter) [Patterns and Landings], page 2

Y. David La Touche, Anatomy of an Incident (Letter) [Safety\Preflight; Safety\Accidents/Incidents; Equipment\Hotellier Fittings], page 2

Karl H. Striedieck, POST Scoring (Letter) [Competitions\Post Tasks], pages 2-3

Bob Booth, Jr., Thanks to All (SSA and Wurtsboro) (Letter) [Credits/Appreciation], page 3

Charles M. Jamieson, Jr., Proposal on Spoiler Problem (Letter) [Launching\Aerotow], pages 3-4

Peggy K. Dandridge, Credit Where Credit is Due (Letter) [Art], page 4

John C. Gibson, *Three Comments on April Issue* (Letter) [*Techniques*\*Thermals and Thermaling; Aero-dynamics; Instruction*], pages 4,6

Sterling Starr, Gibson, John C: Three Comments on April Issue (Letter), pages 4,6

Jim Hurst, Old Timers Alive and Well (at Caesar Creek) (Letter) [Seniors], page 6

Aaron Archibald, Come to British Columbia (Letter) [International\Sites], page 7

Lanny Coon, Pins and the L'Hotellier Fitting (Letter) [Equipment\Hotellier Fittings], pages 8-9

Fredrick Voltz, A Prestigious Group of Pilots (Letter) [Seniors], page 9

Steve Smith, POST Task Discussion (Letter) [Competitions\Post Tasks], pages 9-10

Brian Jenkinson, *Good Job, Mike (Pins Mandatory in Germany)* (Letter) [*Equipment\Hotellier Fittings*], page 10

Vytas Peseckas, The Flying Catamaran (Letter) [Aerodynamics\Flight Tests; Sailplanes\Design], page 10

Jim Short, SSA Responds to Threatened Taxes and User Fees (SSA in Action) [Federal Aviation Administration (FAA); Soaring Society of America], pages 12, 15-16

Lincoln Competition Announced (SSA in Action) [Awards\Lincoln; National Soaring Museum], page 12

Maiden Flight of the DG-800 (SSA in Action) [Sailplanes\Glaser-Dirks], pages 16-17

18-Meter Class in Germany (SSA in Action) [International], page 17

Hans Werner-Grosse Strikes Again (SSA in Action) [Records and Record Flights], page 17

The "SWIFT" (The Missing Link?) (SSA in Action) [Hang Gliding; Ultralights], page 17

Neil O'Hallaron, Bob Eaton [Obituaries], page 18

First Young Eagle Takes Flight (with Gene Hammond) (SSA in Action) [Youth], page 18

(1993) Region 5 North Contest (Chester, SC) (Soaring in Action) [Competitions\Regional Action], pages 18-19

Scott A. Jenkins, On Winter's Tail, Part 1 of 2 [Meteorology; Cross Country Soaring; Techniques\Wave Flying], pages 22-29

Peter Selinger, Racing Class - a New Departure? (SZD-56 and LAK-17) [Aerodynamics; Sailplane Design], pages 30-31

Jayne Reid, Bermuda is High on Soaring! (Lancaster County, SC) [Sites], pages 32-34

Billy Hill, A Breath of Fresh Air!, pages 35-37

Louis V. Hoffman, On Aircraft Flutter [Aerodynamics\Flutter], pages 38-40

George Thelen, Choices and Options (Safety Corner) [Maintenance and Improvements; Parachutes], pages 43-45

Arleen Coleson, Official Observers Take Note! [Badges\Requirements], pages 47-48

### September

Chuck O'Mahony, Open Class Finisher Dropping Water, the US Team Group Shot, and the WGC-93 Logo (cover) [Cover]

Dean Carswell, Discusses Auto and Winch Tow (Letter) [Launching\Winch; Launching\Autotow], page 2

William Weeper, Another Solution to Asembly Interruptions (Letter) [Safety\Preflight], page 2

Dan Donley, Had a Great Time in England (It's a Slingsby T-21, Peterson) (Letter) [International\Sites], pages 2-3

Martin Simons, Help on Slingsby (T-53 Information) Whereabouts (Letter) [Solicitations], page 3

Jackie Womack, Sports Class (Really, with All That Equipment)? (Letter) [Competitions], pages 3-4

Arne Wangsholm, Wire Launching (Three References to BGA Material) (Letter) [Launching\Winch], page 4

John H. Campbell, Collegiate Soaring Says Thanks (Letter) [Collegiate Soaring], page 4

Mike Grogan, Kansas Thermal (Inquiry with Diagram from Dust Markers) (Letter) [Solicitations; Techniques\Thermals and Thermaling], pages 4,6

Elsie F. Johnson, Fall Mountain Soaring Camp (Andrews-Murphy, NC) (SSA in Action) [Expeditions], page 9

John Clabes, FAA and BSA (Boy Scouts of America) Join Hands in New Venture (SSA in Action) [Youth], pages 9-10

Tom Knauff, New World Record Claimed (SSA in Action) [Records and Record Flights], pages 10-11

Billy Hill, (1993) Region Nine Championships (Tuscon, AZ) (Soaring in Action) [Competitions\Regional], pages 11-12, 14

John Daniel, 1993 Region One Championships (Sugarbush, VT) (Soaring in Action) [Competitions\Regional], pages 14, 16

Bob Nady, Value of Clubs to SSA Membership (Club & Chapter Chatter), page 17

Tom Knauff, OSTIV Report (Fatalities and Flight Training) (SSA in Action) [Launching\Autotow; OSTIV; Instruction], pages 17-18

Chuck O'Mahony, Twenty-Third World Gliding Championships Borlange, Sweden [Competitions\World], pages 20-33

Scott A. Jenkins, On Winter's Tail, Part 2 of 2 [Cross Country Soaring; Techniques\Wave Flying;

Meteorology], pages 34-39

George Thelen, a Visit to Sauerkraut Soaring Club (Safety Corner) [Literature\Fiction; Literature\Humor], pages 40-43

Bill Sproull and Ed Byars, The SSA Eagle Program: Year 1! Looking to the Future of Soaring [Growth; Soaring Society of America], page 44

Tom Holloran, PC's Can Help Pilots, Not Just Scorers [Computers and the Internet], page 45 Arleen Coleson, A Short Review of Code Changes [Badges\Requirements], page 48

### October

Douglas C. Sperr, *Time Exposure of Spinning an ASK-21 above Turf Soaring School* (cover) [Cover] Oran Nicks, *Update on World Class PW-5* (Letter) [World Class Glider], page 2

Dan Pierson, VSA Information (on Vintage and Classics) (Letter) [Vintage Aircraft], pages 2-3

Franke Ebler, Women's Soaring Seminar (Letter) [WSPA], page 3

Jan Kornychuk, Suggested Solution to Serious Problem (Letter) [Launching\Aerotow; Launching\Tow-planes], page 3

Joe Walter, What a Contest (the 1-26 Championships) (Letter) [1-26 Association; Sailplanes\Schweizer\1-26], page 3

Mark J. Merkens, When It All Began (Unclear for Todd Merkins' Solo at 14) (Letter) [Family; Youth], page 3

Robert B. Riddle, (Overseas Delivery) Too Late! (Letter) [Publications], page 3

David L. Bigelow, Near Death Experience (Response) (Letter) [Techniques\Wave Flying], page 4

Earl Wiley, Additional Column Requested (of Newly Licensed Pilots) (Letter) [Publications], page 4

Philip A. Petmecky, Young Eagle Flights (Letter) [Youth], page 6

Perry W. Hanson, TAS, IAS, EAS (Debate and Flutter References) (Letter) [Aerodynamics\Flutter], pages 6-7

Wes Lineberry, Pins, Pins, Pins! (Letter) [Homebuilts & Homebuilding], page 7

Jay Thomson, Small (Spoilers Open) Light Works Well (Write for Details) (Letter) [Instruments], pages 7-8

Karen Willat, Red Hats No Answer (Letter) [Preflight], pages 8-9

Skip Jenkyn, Thumbs Up for Cover of June Soaring (with License Plates) (Letter) [Soaring Society of America\Soaring Magazine; Literature\Humor; Promotion], page 9

Michael Adams, One Pilot's View of GPS (Letter) [Instruments], pages 9-10

Sterling Starr, Frank, Lou: Additional Discussion on Spins (Letter), page 10

Marty Hudson, (1993) Region 7 Meet (Vincennes, IL) (Soaring in Action) [Competitions\Regional], pages 12, 15

Bob Nady, Methods of Starting Clubs (Club & Chapter Chatter), page 15

Craig Cox, Jim Cox [Obituaries], page 15

International News (SSA in Action) [International\Sites], pages 16,17-18

William Malpas, World Motorglider Records [Records and Record Flights; Motorgliders], pages 19-20 John H. Campbell, Junior Team Sweepstakes (Results) (SSA in Action) [Youth], page 21

John H. Campbell, Youth Aerospace Convention (26th NCASE in Orlando) (SSA in Action) [Youth], page 21

Bermuda High Soaring Celebrates First Anniversary at New Location with Neighbor Day and Mamber Day (SSA in Action) [Sites], pages 21-22

American Spirit Soars Over Arizona (SSA in Action) [Sailplanes\American Spirit and Spirit XL], page 22

First American Spirit Customer Sailplane Takes to the Air (SSA in Action) [Sailplanes\American Spirit and Spirit XL], page 22

SSA '94 Convention - Almost Chicago (SSA in Action) [Conventions], page 22

Charlie Spratt and Crews and Pilots, A Flight Through Time - The (1993 Mifflin Co, PA) 15-Meter Nationals in Amish Country [Competitions\National], pages 23-27

Peter C. Masak, Success at the 15-Meter Nationals in Pennsylvania [Competitions\National], pages 27-29

Tom Phillips, Thermal Sounds [Techniques\Thermals and Thermaling], pages 31-32

Dan Gudgel, ASOS and AWOS Observations [Meteorology], pages 32-38

George Thelen, *Late in the Day* (Safety Corner) [*Physiology; Motorgliders*], pages 39-40 Arleen Coleson, *Silver Distance* [*Badges*\*Requirements*], page 47

#### **November**

David Leonard, Walt Lefford in his LS-6 above the Clouds near Woodland Park, CO (cover) [Sailplanes\Rolladen-Schneider\LS-6; Cover]

Eric Striedieck, A Word on Crazy Creek (Letter) [Sites], page 2

Jerald R. Kurtz, Says Jump Training is Important (Letter) [Parachutes], pages 2-3

David Newill, Boy Scouts Earn (EAA Young) Eagle Certificates (Letter) [Youth], page 3

Karl H. Striedieck, Has Thought on (Elevator Hookup) Problem (Letter) [Preflight], page 3

Frank J. Cherne, Knows How to Make (Soaring's Future) It Work (Letter) [Youth], pages 3-4

Ingrid Kjenslie, A Great Plus for Soaring (Letter) [Exhibits/Displays/Fairs], page 4

Jan Scott, Reimar Horten [Obituaries], page 6

Young Eagle Announcement (Jarrod Briscoe in Photo) (SSA in Action) [Youth; Errata], page 6

John H. Campbell, European Junior Contest (Winners) (SSA in Action) [International; Youth], pages 6-7

Cyndi Stephenson, SSA Announces Convention Sites for 1994, 1995, 1996 (Chicago, IL, Reno, NV, and Huntsville, AL) (SSA in Action) [Conventions], pages 7-8

Oleska-Myron Bilaniuk, Soaring the Skies of Kiev (SSA in Action) [International\Sites], pages 8-9

Bob Nady, Accident Prevention Counselors and the Wings Program (Club & Chapter Chatter) [Safety\Accidents], page 10

Gary Kemp, (1993) Region 11 South Contest (Minden) (Soaring in Action) [Competitions\Regional], pages 9-12

Lloyd A. Sallee, *New Mexico Wing 1993 Soaring Encampment (at Hobbs, NM)* (SSA in Action) [*Civil Air Patrol*], pages 12, 14

International News, Dutch and Italian National Championships (SSA in Action) [Competitions\Internationals], page 15

World Glider Aerobatic Championships (Results from Veno) (SSA in Action) [Competitions\International; Aerobatics], page 15

Bob Wander, SSA at Oshkosh Airshow (93) (SSA in Action) [Exhibits/Displays/Fairs], page 16

Rudder Waggle Signal Adopted (SSA in Action) [Safety\Checklists; Communications], page 16

SSA at Oskosh (SSA in Action) [Exhibits/Displays/Fairs], page 16

(1993) Region 6 South Contest (Caesar Creek) (Soaring in Action) [Competitions\Regional], page 17

Jim Hard, (1993) 1-26 Championships at Albert Lea, Minnesota [1-26 Association; Sailplanes\Schweizer\1-26], pages 19-25

Tom Holloran, GPS: The First Year-Almost [1-26 Association; Sailplanes\Schweizer\1-26; Instruments], pages 26, 28-30

Dan Gudgel, Are You Ready for METAR? (The Upcoming Meteorological Code Change) [Meteorology], pages 31-33

George Thelen, Sensory Overload (Stall/Spin in a 1-35), Sterling Starr (Safety Corner) [Safety\Physiology], pages 35-39

Arleen Coleson, 1993-A Year of Change [Badges\Requirements], page 44

#### **December**

Steve Walker, Bill Bartell Flying a Schempp-Hirth Ventus at 150 mph through the Finish Gate at the Sailplane Enterprises Annual Spring Sports Class Soaring Contest (cover) [Sailplanes\Schempp-Hirth\Ventus; Cover]

George H. Frost, (Bellanca Scout) Wing (Wood Spar) Crack Reported (Letter) [Launching\Towplanes], page 2

R. (Hardy) Krueger, Auto Tows from Austraila (Letter) [Launching\Autotow], page 2

Dick Mockler, Pursues Hilton Cup in Texas (Letter) [Cross Country Soaring], pages 2-3

Bob Messner, Sugarbush Starts Them Young (Ten Year-Old Walter Brink) (Letter) [Sailplanes\Chero-kee], page 3

Helen Thomson, You're Never Too Young (2-1/2 Year Old Bryce Thompson) (Letter) [Sailplanes\Cherokee], page 3

David C. Michaud, POST Task Opinion (Letter) [Competitions\Post Tasks], pages 3-4

Ingrid Kjenslie, Another Dedicated Pilot (14 Year Old Phil Lomnes) (Letter) [Youth], page 4

Ronald S. Tabery, *Hybrid Task* (of Speed-Only POST) for Soaring Championships (Letter) [Competitions\Post Tasks], pages 4,9

John A. Carter, GPS and the Sport of Soaring As We Know It (Letter) [Instruments], page 9

Richard H. Johnson, Erwin J. Reeves [Obituaries], page 10

Group Genesis Design Team a Unique Synergy of Knowledge and Experience (SSA in Action) [Sailplanes\Genesis I], pages 10-11

Pricing for Genesis I Standard Class Sailplane (SSA in Action) [Sailplanes\Genesis I], page 11

Al Thomas, (1993) Region 11 North Contest (Montague, CA) (Soaring in Action) [Competitions\Regional], pages 11-12

Robert H. Richard, 1993 Region III Championships (Harris Hill) (Soaring in Action) [Competitions\Regional], pages 12,14

John Roarke & Bob Henderson, 1995 World Championships GPS Update (SSA in Action) [Instruments], page 14

Dick Mockler, TSA Annual Labor Day Race (SSA in Action) [Competitions\Non Sanctioned], pages 14,16

Alan Negrin, Rising from the Ashes (SSA in Action) [World Class Glider], page 16

David Michaud, 1993 Little Guys Meet (Blairstown) (SSA in Action) [Competitions\Non Sanctioned], page 16

Wright BrosCollection from Sporty's (SSA in Action) [Promotion], pages 16-17

Mark A. Macaulay, (1993) Region 10 Contest Completed (Brady, TX) (Soaring in Action) [Competitions\Regional], pages 17-18

Bob Nady, Newsworthy Items of Club Activities (Club & Chapter Chatter), page 19

Piero Morelli, World Class: Present Status and Expected Future Developments [World Class Glider], pages 20-23

Oran W Nicks, Addendum: Report on Visit to Poland to Review PW-5 Progress and Plans [World Class Glider], pages 23-24

James W. Swinnich, NSM: Preserving the History You're Creating [National Soaring Museum], page 26

Colin Pennycuick, Bird's Eye View [Birds], pages 28-31

Gene Hammond, Safety Pins [Equipment\Hotellier Fittings; Maintenance and Improvements; Safety\Preflight], pages 33-34

John Joss, Human -- Nature Sierra Nevada survival time Again [Techniques\Mountain Soaring], pages 36-38

Doug Bell, Survey of the (Single-Place) Used Sailplane Market - 1993 [Sailplane Production/Availability], pages 39-41

Arthur J. Kover, A First Off-Field Landing [Techniques\Outlandings; Oxygen], page 42

George Thelen, Fuzzy Logic for Soaring (Safety Corner), pages 43-44

### 1994

# **January**

Marc Arnold, Stemme S-10 in Powered Flight (cover) [Motorgliders\Stemme S-10; Cover]

Editor, Soaring Magazine Policy for Letters to "Soaring Mail" (and Disclaimer) [Publications], page 2 Fernando J. Rueda, Let's Find a Way (to Locate Thermals Like NASA Does Windshear) (Letter) [Techniques\Thermals and Thermaling; Meteorology\Wind Shear], page 2

Michael B. Cavanagh, Right Brain vs Left Brain (GPS vs Pilotage) (Letter) [Instruments], page 2

William G. Hill, Alberquerque Soaring, Swimming and Diving Club (At Moriarty Airport) (Letter) [Sites], page 2

Guillermo Salinas Pliego, Mexico Has It All (at Francisco Lobo Airport in Monterrey) (Letter) [International\Sites], pages 2-3

Sterling Starr, Thanks to SSA for Immediate Action (on FAA Moratorium) (Letter) [Federal Aviation Administration (FAA)], page 3

Wally Raisanen, GPS Advantages (Letter) [Instruments], page 3

Del Blomquist, A Letter (of Thanks for Retrieve Help) to Juliet Pappa from 144 (Letter) [Outlandings; Credits/Appreciation; Espirit de Corps], pages 3-4

Dick Hitt, FAA Accident Prevention Seminar Held (at Bermuda High Soaring) (SSA in Action) [Federal Aviation Administration (FAA); Instruction\Ground Schools], page 5

(Mike) Koerner Assumes Presidency of SSA (SSA in Action) [President and President's Report], page 5

Michael Slingluff, Rotax Powered Super Dimona Receives US. Type Certificate (SSA in Action) [Motorgliders\Hoac HK-36R Super Dimona; Federal Aviation Administration (FAA)], pages 8-9 Jay Darmstadter, Richard A "Old Dog" Wolthers [Obituaries], page 9

Ted Sharp, Unusual Greetings (SSA in Action) [Soaring Society of America\Membership], page 9

New Version of the DG-500 Two-Seat Sailplane (SSA in Action) [Sailplanes\Glaser-Dirks], page 9

Builders Join Together on (Ultralight Cumulus) Motorglider (SSA in Action) [Motorgliders; Ultralights], pages 9-10

William Ard, (1993) Region 8 Contest (Livingston, MT) [Competitions\Regional; Soaring in Action], pages 10-11

James R. Moser, 6th National Soaring Landmark (at Waynesboro, Virginia) Dedicated (SSA in Action) [History; Sites\Waynesboro, Virginia; Affiliates, Chapters, and Clubs\National Soaring Museum\Landmark], pages 11-12

Colin Pennycuick, Bird's Eye View, Part 2 of 2 [Birds], pages 16-19

Simine Short, A Century of Progress, 100 Years of Gliding and Soaring in Chicagoland: Part 1-Through 1938 [History], pages 20-26

Richard H. Johnson, A Flight Test Evaluation of the Stemme S-10 Motorglider [Motorgliders\Stemme S10; Aerodynamics\Flight Tests], pages 28-34

Phil Petmecky, Teaching Tow Emergencies [Launching Aerotow], pages 36-38

George Thelen, Spoilers-A Double-Edged Sword, by Bob Whelan (Safety Corner) [Launching\Aerotow; Safety\Accidents/Incidents], pages 41-43

Nikolai Kresse, Flying the Krosno (advertisement), by Derek Johnson [Sailplanes\Krosno], page 45

Arleen Coleson, FAI Sporting License Renewal, Barograph Calibration, and Course Planning [Awards\Badge Requirements], page 49

#### **February**

Sheila Bouten, Roger McMakin Flying his Schleicher ASW-20 by Guadalupe Peak (cover) [Sailplanes\Schleicher\ASW-20; Cover]

Editor, Soaring Magazine Policy for Letters to "Soaring Mail" (and Disclaimer) [Publications], page 2 George Thelen, Thelen Announces (Poetry) Competition (Letter) [Poems and Poetry], page 2

Karen Willat, Strobe Light No Answer (to Unmonitored Spoilers) (Letter) [Launching\Aerotow], page 2

Mark Morton, Georgia/Tennessee Race Series Concludes First Season (Letter) [Competitions\Non Sanctioned], pages 2-3

Editor, An Apology to the Readers of Soaring Magazine (Letter) [Errata; Publications], page 3

Neal H. Olshan, Shot From Up Top (Letter) [Wave Flying], page 3

Alan Reeter, POST vs AST (Letter) [Competitions\Post Tasks], pages 4,9

Chuck Matson, (Housing Development) Progress and Gliding Can Co-Exist (Letter) [Airports], page 9 James R. Harris, Assistance Requested (in Wave Training) (Letter) [Solicitations; Techniques\Wave Flying], pages 9-10

Kenneth Pruchnick, Objects to Foreign Printer (of Soaring Calendar) (Letter) [Publications; Commentary], page 10

Knut Jorgensen, On Chickens and Buzzards (Letter) [Safety|Accidents/Incidents; Birds], page 10

Ryan Marschark, A Grateful (Young) PGC Member Responds (Letter) [Credits/Appreciation; Youth], page 10

Andrew McKittrick, SSA in Action: American Spirit to Fly Down Under (in Australia) [Sailplanes\American Spirit and Spirit XL], page 12

Cyndi Stephenson, Young Eagles in Flight (by named SSA Pilots) (SSA in Action) [Youth], page 12

Elsie Johnson, Plans Announced for Soaring Camps (at Andrews-Murphy, NC) (SSA in Action)

[Instruction\Ground Schools], page 12

Best Fest '93 (at Atlanta, GA) (SSA in Action) [Exhibits/Displays/Fairs], page 12

Results Announced on Contest Rules Committee Election (SSA in Action) [Competitions], page 12

Handheld (II Morrow 920) GPS Now Shipping (SSA in Action) [Instruments], pages 12,15

(1993) Region 4 North, Fairfield, PA [Competitions\Regional; Soaring in Action], pages 15-16

Tony Burton, (Accident Analysis) News For Duster Owners (SSA in Action) [Safety\Accidents/Incidents; Sailplanes\Duster; Homebuilts & Homebuilding], pages 16-17

Glider Flight Instructor Seminar Held (at Hobbs, NM) (SSA in Action) [Instruction\Ground Schools], page 17

International Vintage Sailplane Meet in USA in 1995 (at Elmira, NY) (SSA in Action) [Vintage Aircraft], pages 17-18

The Motorglider Market, An Assessment (SSA in Action) [Motorgliding], pages 18-19

Bob Nady, Getting Approval to Operate at Existing Airports (Club & Chapter Chatter) [Affiliates, Chapters, and Clubs], page 19

J.C. Treager, Limbach Changes Announced (SSA in Action) [Motorgliding], page 19

OSTIV Prizes (SSA in Action) [OSTIV], page 19

Cambridge GPS at the '94 Standard Class Nationals (SSA in Action) [Instruments\GPS], page 20

Trimble Flightmate Pro (GPS) (Product Review) [Instruments\GPS], page 20

Simine Short, A Century of Progress, 100 Years of Gliding and Soaring in Chicagoland: Part 2-To Present [History], pages 21-26

Dave Hudnut, The 1993 Eastern Sailplane Homebuilders Workshop (in Monterey, NY) [Homebuilts & Homebuilding], pages 28-31

Gillian Spreckley, Observations of a Back Seat Driver [Competitions], pages 33-34

Mike Vinson, The 1993 Open Class National Championships, (Littlefield, TX), Consistency Pays Off [Competitions\National], pages 36-39

Dean Carswell, *The Texas Soaring Association Training Seminars* [Instruction\Ground Schools], pages 40-41

George Thelen, Flying Safety as a State of Mind (Inexperience, Hazardous Thoughts and Inspections), by Stan Hall (George Thelen) [Maintenance and Improvements; Safety], pages 42-44

Arleen Coleson, Cameras and Film [Awards\Badge Requirements], page 48

#### March

Steve Hines, Bud Schumeier Launching his Siren PIK Motorglider (cover) [Cover]

Angus Thomson, Safety First (in Soaring Magazine Contents) (Letter) [Safety; Publications], page 2 David McVeigh, Questions Use of (Cover) Photo (of a Low Pass) (Letter) [Safety; Publications], page 2

Editor, Soaring Magazine Policy for Letters to "Soaring Mail" (and Disclaimer) [Publications], page 2 Robert Clupper, On Sailplanes and Parachutes (Letter) [Parachutes], page 2

Steele Lipe, Good (Cover) Photo (of a Low Pass), but Bad Example (Letter) [Publications], page 2

Frank A. Zaic, Fond Memories (of the Early Days of Aero Club Albatross) (Letter) [History], pages 2-3

Gerdo Marsch, (Dutch Youth) Needs a Helping Hand (Letter) [Solicitations; Youth], page 3

John B. Leavitt, A Question of (New Sailplane) Price (Letter) [Aerodynamics\Flight Tests; Commentary; Growth], page 3

Chuck Griswold, I'd Rather Do It Myself (Letter) [Growth; Instruments; Wave Flying], pages 3-4

André Volant, A Polish (Soaring) Trip is Possible (Letter) [International\Sites], page 4

Hotel Whiskey (Multi-Seat World Record Holder ASH-25) Has Not Retired (SSA in Action) [International\Sites], page 5

World News, German Universities Announce Summer Camp (SSA in Action) [Affiliates, Chapters, and Clubs\Collegiate Soaring Association; International\Sites], page 5

(10,000m) Rope to Pull (Sail)plane into Stratosphere (SSA in Action) [Aerodynamics\Flight Tests], page 8

(MDM-1) "Quick Brown Fox" (SSA in Action) [Aerobatics; Aerodynamics], page 9

William Malpas, European Junior Gliding Championships Update (SSA in Action) [Youth], pages 9-10

- Lee Logan, PW-5 (Price) Update (SSA in Action) [Sailplanes\PW-5; Sailplanes\World Class Glider], page 10
- Yasuhiro Yama, Japanese Women's Team Makes Debut (SSA in Action) [Women Soaring Pilots], page 10
- II Morrow's Apollo 920-Leader of the Flock (SSA in Action) [Birds; Ultralights], page 10
- Some Marriages Are Nearer to Heaven (SSA in Action) [Culture and Tradition; Family], pages 10-11 Strong Trains German Parachute Riggers (SSA in Action) [Parachutes], page 11
- James W. Swinnich, Help Preserve Our Heritage (by Properly Documenting Your Activities) (SSA in Action) [National Soaring Museum], pages 11-12
- Jack Wyman, (1993) Region Six Contest (Ionia, MI) [Competitions\Regional; Soaring in Action], page 12
- Jim Cole, (1993) Region 4 (South) Contest (New Castle, VA) [Competitions\Regional; Soaring in Action], pages 12, 14
- Manfred Reinhardt, XXIV OSTIV Congress, Call for Papers (SSA in Action) [OSTIV], page 14
- Bob Wander, Attention SSA Chapters and Business Members (SSA in Action) [Affiliates, Chapters, and Clubs], page 15
- Bob Nady, SSA Eagle Program and Clubs (Club & Chapter Chatter) [Affiliates, Chapters, and Clubs], page 16
- Steve Maier, Easy Going At Hobbs: 1993 Sports Class & Motorglider Championships [Competitions\National], pages 17-22
- John Good, Flying at Sugarbush [Sites], pages 24-28
- Mike Adams, L'Hotellier Fitting Update [Maintenance and Improvements; Equipment\Hotellier Fittings], pages 29-30
- Phyllis Wells, 15th Annual Women's Soaring Seminar (at Black Forrest Glider Park) [WSPA], pages 31-34
- Guy Ford Byars, A Computer Information (Bulletin Board) Service for the Soaring Society of America [Computers and the Internet], pages 35-37
- Linn Buell and Jan Scott, Foreign Soarin' The 21st International Vintage Glider Rally (at the Wasserkuppe) [Vintage Aircraft; International\Sites], pages 38-42
- Arleen Coleson, For 1994 Soaring Awards [Awards\Badge Requirements], page 44
- George Thelen, Canopies (Opening on Tow), by Gary Reed and Garrett Calhoun (Safety Corner) [Safety\Launching\Aerotows; Canopies], pages 45-46

## **April**

- Joe Steinhauser, May 1951 Photo of a Schweizer 2-22, 1-23, and a Cinema Awaiting Tows at ChicagoLand Airport (cover) [Cover]
- Editor, Soaring Magazine Policy for Letters to "Soaring Mail" (and Disclaimer) [Publications], page 2 John A. Carter, More on a Take-Off Drill (Leave Access Cover in Cockpit Until Positive Control Check Completed) (Letter) [Preflight], page 2
- Justin Wills, Soaring and New Technology (GPS at Kiwiglide 94) (Letter) [Instruments], pages 2-3
- Dean Carswell, To Turn (After a Rope Break) Now, Later or Ever? (Letter) [Launching\Aerotow], page 3
- John H. Campbell, More Thanks (to Members) for (Their Youth Support) Effort (Letter) [Credits/Appreciation; Youth], page 3
- Hans Disma, (Is the Russia 2) Another Phonix? (Letter) [Sailplanes\Russia AC-4; History], pages 3-4
- Billy Singleton, Soaring (Laisater TG-4A) Exhibit Donated to (Southern Museum of Flight, a Birminghanm, AL) Museum (Letter) [Museums], page 4
- Bob Whittcomb, A Fitting End to "Old Dog's" (Richard A. Wolthers) Story (Letter) [Obituaries], pages 4,8
- Roy D. Clark, Jr., (Sailplane Airspeeds) a Useful Addition (Letter) [Preflight], page 8
- 1993 Kolstad Scholarship Winner Announced (Joe Walter) (SSA in Action) [Awards\Kolstad Scholarship and Awards], pages 9-10
- 1994 Kolstad Scholarship Winners Announced (Robert Paul Sabino and James R. Brown) (SSA in Action) [Awards\Kolstad Scholarship and Awards], pages 9-10
- Annette Reichmann, Barron Hilton Cup Winners [Awards\Hilton Cup], page 11

50 Years After D-Day (SSA in Action) [History], page 11

Robert Lee Moore, Dezso "Dez" Kelemen [Obituaries], pages 11-12

Icom's IC-A21 (Handheld Transceiver) (New Products) [Equipment\Radios], page 12

Carol Moe Fagan, Reunion Scheduled for Crystal Soaring (SSA in Action) [Sites], pages 12-13

Bob Nady, Welcome to a Brand New Club (Club & Chapter Chatter) [Affiliates, Chapters, and Clubs], page 13

Gross Sky Ghost (Youth Achievement) Award Nominations Being Accepted (SSA in Action) [Youth], page 13

Judy Lincoln, For Fiscal Year Ending October 31, 1993 [Soaring Society of America\Annual Report], pages 15-19

Mike Koerner, SSA President's Report [Soaring Society of America\President], page 19

Margaret Rambie, Pilots Pelted-By Snow? in Uavlde? [Competitions\National], page 23

Mark Huffstutler, 1993 Standard Class Nationals (Uvalde, TX) Contest Report [Competitions\National], pages 21-26

Richard H. Johnson and Sharon Smith, A Flight Test Evaluation of the SZD-50-3 Puchacz 2-Place Sailplane [Aerodynamics\Flight Tests; Sailplanes\SZD 50-3 "Puchacz"], pages 29-32

Sharon Smith, An Instructor's Viewpoint of the Puchacz [Training\Flight Instructors; Sailplanes\SZD 50-3 "Puchacz"], page 31

Bob Wander, A Sampling of the (Newcomer's Negative) Comments [Growth], page 34

Bob Wander, Gliderport Hospitality, The Cold Shoulder, pages 33-35

Christian Ravel, The (1936 French) AVIA 41P [Sailplanes\AVAI 41P; History; Vintage Aircraft], pages 37-38

George Moffat, POST Problems and Solutions [Competitions\Post Tasks], page 39

George Thelen, *Positive Control Checks*, by *Bob Whelan* (Safety Corner) [Safety\Preflight], pages 41-43

Arleen Coleson, State Soaring Record Forms Revisited [Awards\Badge Requirements], page 44

# May

Stephen Nesser, Watercolor of Red Tail Hawk in Flight with a Puchacz (cover) [Cover]

Dan Pierson, Looking for Diamant Owners (to Celebrate Design) (Letter) [Solicitations], page 2

Editor, Soaring Magazine Policy for Letters to "Soaring Mail" (and Disclaimer) [Publications], page 2 Wolfgang Siegel, America's Oldest Glider (the Baker-McMillen CADET) Ready For Takeoff (Letter) [Vintage Aircraft], page 2

Mick Westbrook, *Price (Question by Leavitt) Not the Point* (Letter) [Aerodynamics\Flight Tests; Commentary], pages 2-3

Mark Palmer, It Was a Great (Minden Summer Wave) Day! (Letter) [Wave Flying], page 3

Parmeet Kalra, A Chance to Promote the Sport (Donate Old Issues to Those Less Fortunate) (Letter) [Soaring Society of America\Soaring Magazine\Reprints and Back Issues; Solicitations; Promotions; Aerospace Education], page 3

Elmer Mooring, Mach 15 Glider (in Safety Corner)! Oops (on Sink Rate Units)! (Letter) [Errata], page 4

Flore Lambelin, (Youth) Willing To Trade (Homes) (Letter) [Solicitations; Youth], page 4

Orv Knarr, Remembering a Friend (Milton G. Johnson) (Letter) [Obituaries], page 4

Willi Jausch, Can You Recall (Hoedmaker's Gliding School in Germany)? (Letter) [International\Sites], page 4

Gary Kemp, Insurance Changes Announced (Addition of Engine Tear Down Option) (SSA in Action) [Insurance], page 5

Karl Striedieck, (1994) Contest Rules and Procedures Changed (SSA in Action) [Competitions], page 5

Joe Volmar, (Adrian Soaring Club) Air Show Zealots (SSA in Action) [Exhibits/Displays/Fairs], pages 5-6

Recruitment Awards Given at (1994) Convention (SSA in Action) [Conventions], pages 6,9

Wilhelm Dirks, Glaser-Dirks DG-800B (MWAE Engine is Quieter) (SSA in Action) [Sailplanes\Glaser-Dirks], pages 9-10

Linda Mae Draper, New Zealand (Sight-seeing) Tour Package Offered (SSA in Action)

[International\Sites], page 10

John Good, Club Class an Experiment for the 1994 Contest Season (SSA in Action) [Competitions], pages 10-11

Group Genesis and BRS Make Announcement (SSA in Action) [Sailplanes\Genesis I], pages 11-12

Bob Nady, Spin Experience Attracts Mythical Power Pilot (Club & Chapter Chatter) [Affiliates, Chapters, and Clubs], page 12

The National Soaring Museum: 25 Years of Flight and Still Climbing (SSA in Action) [National Soaring Museum], pages 13-15

EW Barograph and GPS Recorder (New Products) [Instruments], pages 14-15

Don Crawford, Lorne Catlin [Obituaries], page 16

Brad Ruda, SSA '94 - a Chicago Affair [Conventions], pages 19-22

Brad Ruda, SSA '94 Temporary Postal Station [Conventions], page 21

Brad Ruda, Promoting Soaring - SSA '94 [Conventions; Promotions; Aerospace Education], page 22

Chuck O'Mahony, Weather or Not [Conventions], pages 23-26

Allen R. Silver, The Acid Mesh Problem Revisited [Parachutes], pages 27-28

Aland Adams, A Pilot's View of Soaring Montana! [Techniques\Mountain Soaring], pages 29, 32-34

William Ard, An Invitation....to Soar Montana! [Sites; Techniques Mountain Soaring], pages 32-33

Richard H. Johnson, A Flight Test Evaluation of the Schleicher ASW-24W [Aerodynamics\Flight Tests; Sailplanes\Schleicher\ASW-24W], pages 35-38

Arleen Coleson, Turnpoint Selection [Awards\Badge Requirements], page 42

George Thelen, Living In.. a Vacuum (Tube)(, Airspace and Communications Ground School at Home)! (Safety Corner) [Airspace; Communications; Instruction\Ground Schools], pages 43-47

#### June

Dereesa Purtell, Grob 103 Twin III SL Launching Over Aspen, CO (cover) [Cover]

Wilhelm Dirks, DG-800 Now LBA Type Certified (SSA in Action) [Sailplanes\Glaser-Dirks], pages by Wilhelm Dirks, pp. 9-10

Editor, Soaring Magazine Policy for Letters to "Soaring Mail" (and Disclaimer) [Publications], page 2 Edward Slater, Help Preserve Torrey Pines (CA) (Letter) [Sites], page 2

Eric Striedieck, Sees Cover Shot (of a Low Pass) Differently (Letter) [Safety\Patterns and Landings; Publications], page 2

John Stockwell, Says It's a Bum Rap (to Avoid Foreign Printers) (Letter) [Publications; Commentary], page 2

Paul Oldershaw, Another Tie Noted (in 1935 US Nationals) (Letter) [History; Competitions], page 2

Tony Burton, Not Suprised at Tie Score (for 1993 Standard Class Nationals) (Letter) [Competitions\National], page 2

William Bardick, More Than Meets the Eye (Letter) [Publications; Patterns and Landings], pages 2-3 Thomas Cassetta, Say No Sometimes (to Instruction Flight for No Reason) (Letter) [Instruction],

Thomas Cassetta, Say No Sometimes (to Instruction Flight for No Reason) (Letter) [Instruction] pages 3-4

Arthur Illiano, Jr., Has an Idea (for Spoiler Alarm) (Letter) [Launching\Aerotow], page 4

Mark Holliday, Spoilers and Tows Discussed (Letter) [Launching\Aerotow], page 4

Phil Petmecky, Author Responds to (Carswell) Comments (on Author's Article) (Letter) [Launching\Aerotow], pages 4-5

Cyndi Stephenson, Call for Proposals on 1996 Contest Sites (SSA in Action) [Competitions\National], page 6

James W. Swinnich, Happenings at the National Soaring Museum (MacCready Presentation and 21st Ralph S. Barnaby Lecture by Stann Hall) (SSA in Action) [National Soaring Museum], page 6

Sterling Starr, Montana Calls Competition Pilots (to 1994 15-Meter Nationals) (SSA in Action) [Competitions\National], page 6

Tim Smith, New Sailplane Desk Ornament (Model That Responds to Joystick) (SSA in Action) [Models], page 9

Washington (State) Barograph Center Changes (to Airtech Instrument) (SSA in Action) [Instruments], page 9

William Malpas, *International News, From France to Corsica Again* (SSA in Action) [Cross Country Soaring], page 10

FAI 1000 KM Diplomas (Now Total 244) (SSA in Action) [Awards\1000 Kilometer Flights], page 10

George Nuse, Georgia Clubs Unite (Atlanta Soaring Club into Mid-Georgia Soaring Association) (SSA in Action) [Affiliates, Chapters, and Clubs], pages 10-11

John H. Campbell, Student Memberships (at \$22/Year) Are Attractive (SSA in Action) [Soaring Society of America\Membership], page 11

Michael Steckner, New Product Review - Lift/Director 100 Variometer (SSA in Action) [Instruments], page 11

Dent Brome, Bob Fitch [Obituaries], page 13

Doug Jacobs, Good-bye, Old Friend (Bob Fitch) [Obituaries], page 13

Bob Nady, CAP and NSF Solo Eleven (Club & Chapter Chatter) [Affiliates, Chapters, and Clubs], page 14

Derek Piggott, Landings (with a Flexible Base Leg) [Techniques\Patterns and Landings], pages 15-16

Dean Carswell and Richard H. Johnson, Additional Spin Testing of the SZD-50-3 Puchacz Trainer [Aerodynamics\Flight Tests; Sailplanes\SZD 50-3 "Puchacz"], pages 17-20

Dean Carswell, A Senior Flight Instructor's Comments (on the Puchacz) [Sailplanes\ZD 50-3 "Puchacz"], page 19

Linda Charlton, Voyage of the Mosquito (Repair Surprises and Trailering) [Trailers; Maintenance and Improvements; Preflight], pages 21-24

Aleksandr Kudinov, The Russian Soaring Experience [International\Sites], pages 25-28

André Jansen and Wolfgang Lieff, Project AK-8: German Students Pioneer New Ways in the Design and Manufacture of Gliders [Youth; Sailplanes\Akaflieg Karlsruhe Ak-8; Sailplane Design], pages 29-32

Peter C. King, Shock Absorbers.. Or Why The One to Worry About is Not on Your Trailer! [Trailers], page 33

Peter King, Shock Absorbers.. Or Why The One to Worry About is Not on Your Trailer! [Maintenance and Improvements], page 33

Billy J. Singleton, *Use and Abuse of Checklists* [Safety\Checklists], page 35

Deressa Purtell, Soaring Photo Safari.. Aspen, Colorado Style! [Photography], pages 37-38

Arleen Coleson, What Do I Need to Fly for Badges? [Awards\Badge Requirements], page 40

George Thelen, Lost in the Ozone-Again (by the Magnetic Compass), by Dan Gudgel (Safety Corner) [Safety\Instruction], pages 43-48

# July

Phil Snider, Bruce Fox in L-33 Solo with Sunburst Wings (cover) [Cover]

Chuck O'Mahony, An Oversight Corrected (on Hatcher Trophy Craftsman) (Letter) [Awards\Hatcher; Errata], page 2

Editor, Soaring Magazine Policy for Letters to "Soaring Mail" (and Disclaimer) [Publications], page 2 John Bender, What a (87th) Birthday! (Letter) [Seniors], page 2

John Potter, He Found a Positive Welcome (at the Soaring Club of Houston) (Letter) [Promotions; Aerospace Education], page 2

Russ Gritzo, One of Several Responses (to Assist Kalra and Indian Soaring) (Letter) [Credits/Appreciation], page 2

Wil Schuemann, Thoughts on (Revitalizing) Competition (Letter) [Competitions], pages 2-3

Roy Cross, Could It Be (Frank Zaic Wrote Modellers Frank Zaic Year Book)? (Letter) [History], pages 3-4

Dick Larsen, In-Flight Emergency (with Sun-Block in the Eyes) Encountered (Letter) [Medical Condition; Pilot Comfort], page 4

Steven Nichols, *Thanks for the (Schempp-Hirth Factory) Help* (Letter) [Credits/Appreciation; Maintenance and Improvements], page 4

Jeanne Thivierge, Happy Birthday to You (Luke Thivierge - Solo at 14)! [Youth; Family], pages 5-6

William M. Smoak, *Another Possible Member (My Ten-Year-Old Son)* (Letter) [Family; Sailplanes\Cherokee], page 6

Jean Wilson, Some People Hear the Music (Every Time They Fly!) (Letter) [Physiology], pages 7-8

Charlie Spratt, Shaking Off the Snow, The 1994 Senior Nationals (SSA in Action) [Competitions\National\Seniors], page 9

James W. Swinnich, (Scouting) Youth at the National Soaring Museum (SSA in Action) [National Soaring Museum; Youth], pages 9-11

International News, An Ejection Seat for the Sailplane Pilot (SSA in Action) [Parachutes], pages 11,13

Call for SSA (1998) Convention Sponsor, Don Kawal (SSA in Action) [Conventions], page 13

Dresser Introduces New Tire (SSA in Action) [Maintenance and Improvements], page 13

Nutmeg Soaring Meet to be in (Springfield,) Vermont (SSA in Action) [Errata], page 13

Tow Launch System(s of San Antonio, TX New Features) Update (SSA in Action) [Ground Launch], pages 13-14

James Berry, Weather Service Company (Doppler Radar from Accu-Weather) Update (SSA in Action) [Meteorology], page 14

FAA Announces Action Plan (to Promote an Economic Upturn of Aviation) (SSA in Action) [Federal Aviation Administration (FAA)], pages 14-15

J.H. Volmar, (Adrian) Soaring Club Celebrates 60th Birthday (SSA in Action) [Affiliates, Chapters, and Clubs], page 15

Gus Briegleb, Eugart Yerian [Obituaries], pages 15-16

Bob Nady, Safety Sentinel for Your Club (Club & Chapter Chatter) [Affiliates, Chapters, and Clubs], page 16

John Campbell, SSA Announces "Cadet Youth Flight Scholarship" (SSA in Action) [Youth], page 16 Wilhelm Dirks, The DG-303 Elan from Glaser-Dirks (Announced) (SSA in Action) [Sailplanes\Glaser-Dirks], page 17

Sun Protection Apparel (New Products) [Medical Condition; Cockpit], page 17

Jim Payne, Limited Flying Qualities Evaluation of the American Falcon [Sailplanes\American Falcon; Pilot Reports], pages 18,20,22

Jim Payne, Limited Flying Qualities Evaluation of the American Spirit [Pilot Reports; Sailplanes\American Spirit and Spirit XL], pages 19,21,23

William Malpas, Let's Put a Little Engine on It? [Motorgliding], pages 25-30

Charles Lindsay and Tim Sobol, *Atmospheric Stability Analysis System (ASAS) Evaluation [Meteorology*], pages 31-33

Kevin Renshaw, Wetted Area and L/D [Aerodynamics], pages 35-38

Phil Petmecky, Recruiting New Members and How to Keep 'em! [Growth], pages 39-41

Karl H. Striedieck, Attitude Problems (from No Elevator Control) [Safety; Patterns and Landings; Instruction; Equipment\Hotellier Fittings], pages 43-44

George Thelen, Pavlov's Dogs (Bad Habits and Good Habits) (Safety Corner) [Physiology], pages 47-48

Arleen Coleson, Deadlines, Deadlines, Deadlines!! [Awards\Badge Requirements], page 50

#### August

John H. Campbell, BFSS (Black Forest Soaring Society) Hosts Explorer (Scout)s (Letter) [Youth], pages P. 2

Mark Montague, Bob Barber Adorned with Multi-Colored Cap Awaiting a Tow on Asphalt in his Mosquito with Canopy Open (cover) [Cover]

Andy Magyar, Where Are the Women? (Letter) [Women Soaring Pilots], page 2

Editor, Soaring Magazine Policy for Letters to "Soaring Mail" (and Disclaimer) [Publications], page 2 John M. Cone, Spoiler Annunciator (Letter) [Launching\Aerotow], page 2

Stephen DuPont, Comment on "Safety Corner" (Compass Topic) (Letter) [Instruction], pages 2-3

Chuck Jamieson, Says No To Open Dive Brake (Letter) [Launching\Aerotow], page 3

Juan Batch, Let's Always Keep It (the Low Pass a) Safe (Altitude) (Letter) [Patterns and Landings], pages 3-4

Dorthy Herzberg, Turned on (by Cleveland Soaring Society) (Letter) [Promotions; Aerospace Education], page 4

Jim Mara, Says No to Saying No (to Instruction Flight for No Reason) (Letter) [Instruction], page 4

Steven J. King, Responds to (Striedieck) Low Pass Letter (Letter) [Techniques\Patterns and Landings], page 4

John Campbell, SSA in Action: SSA Boosts AV-ED (by Getting Involved with Education Groups)

[Aerospace Education], pages 15-16

Frauke Elber, SSA in Action: SSA At Aerospace Teacher Convention (NCASE) [Aerospace Education], page 16

Paul A. Schweizer, The Last Founder of SSA Has Died (Augustine Charles Haller) [Obituaries], page 16

Robert Davis, Walter A. Bearden [Obituaries], pages 16-17

Dick Kenyon, Mark Bottino [Obituaries], page 17

Raul Blacksten, Frank Gross Restoration Award (for a Laister-Kauffman TG-4a) (SSA in Action) [Vintage Aircraft; Awards\Gross], page 17

From the FAI, Gliding, Three Men, One Record (SSA in Action) [Awards\Records and Record Flights], page 17

Peter J. Kelly, Jr., New Soaring Site (Lagoon Valley Soaring Williams, CA) Has Spectacular Soaring (SSA in Action) [Sites], pages 17-18

Simine Short, Another "Young Eagle" Launched (by Chicago Glider Club) (SSA in Action) [Affiliates, Chapters, and Clubs; Youth], page 20

Bob Nady, Getting and Keeping New Members, Also Instructors, and Safety (Club & Chapter Chatter) [Affiliates, Chapters, and Clubs], page 21

Electronic Battery Saver (New Products) [Equipment\Batteries], page 21

Bob Wander, Gliderport Hospitality, Ask Me About Soaring, pages 23-24

Simine Short and Jim Crisp, The First 'Real' United States Glider Stamp & WWII Troup Glider Flying Remembered by a Glider Pilot, Carrying Souvenir Glider Mail on First Day of Issue! [Stamps; History; Promotions; Aerospace Education], pages 25-28

Jack Olson, (Bottineau, ND) a Site for Soar Eyes [Expeditions], pages 29-32

Derek Johnson, Auto Tow (with a Pickup Truck) [Launching\Ground Launch], pages 33-34

Sterling Dare and Howard Burgess, US Army Air Corps - "Glider Invitational" Lawrence-Maxim Airfield, North Carolina - 1942 [Humor; History], pages 36-37

Ed Jones, Zen and the Art of Soaring [Psychology], page 38

Arleen Coleson, Who is An Official Observer? [Awards\Badge Requirements], page 41

Debbie Beuttler, Once Upon a Wave [Poems and Poetry], page 46

James R. Harris, State of Mind [Poems and Poetry], page 46

George Thelen, *Poetry Contest (A break from the normal routine)* (Safety Corner) [*Poems and Poetry*], pages 45-50

Gren Seibels, The Rime of the Ancient Soaring Pilot [Poems and Poetry], page 50

#### September

Jay Guerrero, Cliff Oliver in a Cirrus Above the Clouds and Beneath a Star Burst Sun (cover) [Sailplanes\Cirrus; Cover]

Bob Root, Caesar Creek's Fountain of Youth (Letter) [Seniors], page 2

Jim Jenista, Goodbye to an Old Friend (the Prue 160) (Letter) [Preflight; Safety\Accidents/Incidents], page 2

Geoffrey D. Woodward, He's Upset (at Eric and William's Banter) (Letter) [Patterns and Landings], pages 2-3

Carsten Leuters, He (German Pilot) Wants to Soar the West (Letter) [Solicitations], page 3

Jim McCarthy, Wants to Know Where the (Mitchell) A-10 Silver Eagle Was (Letter) [Ultralights; Motorgliding], page 3

William Baird, Youngest Member (of Southern Eagles, Jonathan Baird) Makes Solo Flight (on 14th Birthday) (Letter) [Launching\Ground Launch; Youth; Family], pages 3-4

Eric Greenwell, Wants Advice on Radio and Antenna (Letter) [Equipment\Radios], page 4

Knut Kjenslie, An Older Pilot (Francis Kalinowski) Still Logs Lots of Hours (Letter) [Seniors], page 6 Sport Aviation (of IA) Offers Neat Camping Experience (SSA in Action) [Youth], pages 6,9

James W. Swinnich, Whitney and Soaring (Youth Scholarship Award) (SSA in Action) [National Soaring Museum; Awards\Youth; Youth], pages 9-10

Bob Nady, Using SSA Rebate to Clubs Sepatately (Club & Chapter Chatter) [Affiliates, Chapters, and Clubs], page 10

Yasuhiro Yama, My Dream to Fly Again (After Hang Gliding Accident) Comes True (SSA in Action)

[Handicapped Accomplishments], page 11

1994 Region 11 Soaring Championships Come to Crazy Creek [Competitions\Regional; Soaring in Action], pages 10-16

Ultralight Motorglider Mini Stratton D-7 (SSA in Action) [Ultralights; Motorgliding], page 17

Professor Ewald and Christof Reuter, Akaflieg Darmstadt and the D-41 [Sailplane Design; Sailplanes\Akaflieg Darmstadt D-41], pages 19-22

Steve Nichols, Some Thoughts on Landing in High Wind Conditions [Patterns and Landings], pages 23-25

Coren D. Termal, Small Can Be Beautiful, The 7th Annual VSA Western Regatta [Vintage Aircraft], pages 27-29

Thomas Knauff, The Invention of the Rudder [Aerodynamics; Instruction], page 30

Andy Holoubek, *The Crystal Squadron* -(+2?) [Awards\Badge Flights; Cross Country Soaring], pages 31-32

Jorge Castillo, Freedom at Ten Thousand Feet [Techniques\Mountain Soaring], pages 33-37

Arleen Coleson, Camera Procedures [Awards\Badge Requirements], page 42

George Thelen, *The Nuts and Bolts of Soaring, by Elaine Cutri* (Safety Corner) [Maintenance and Improvements], pages 43-48

#### October

Steve Hines, Collage Featuring Les Horvath's Nimbus 3 Dumping Water Ballast at WSC91 (cover) [Cover]

Phil Frisby, Misfortune Strikes South Africa Group (Letter) [International\Sites], page 2

Skip Atwell, Good Time at Wabash Valley (Soaring Association in Lawrenceville, IL) (Letter) [Sites], pages 2-3

Ed Byars, On Dive Brakes and Baseball Caps (Letter) [Preflight; Launching\Aerotow; Checklists; Medical Condition], page 3

Carlton J. Walker, Jr., A Soaring Experience - Holland Style (Letter) [International\Sites], pages 3-4
Bill Yancey, (Release by Bob Hupe in Minden from) Sailplane Prison (Without Lift in Kansas City)
(Letter) [Sites], pages 5-6

Bill Yancey, Sailplane Prison (ie. Without Lift) (Letter) [Commentary], pages 5-6

Elsie F. Johnson, Correction Noted (Photo from Krosno KRO-3A, not a PW-5) (Letter) [Errata], page 6

Marco Antonio, (Brazilian Student Seeks to Correspond with) Friends of SSA (Letter) [Growth; Youth; Solicitations], page 6

Roland Herwig, Aviation Exploring Update (Scouts Can Fly) (Letter) [Youth], page 6

Steve Newfield, Soaring for Growth: a Game of Stick and Rudder (Letter) [Growth; Instruction], page 6

Klaus Holinghaus Dies in Glider Crash in Swiss Alps [Obituaries], page 8

Raul Blacksten, One Score Years, Thirty Score Members: VSA Turns Twenty (SSA in Action) [Vintage Aircraft], pages 8-9

Gerhard Waibel, *Changes Highlighted in ASW-24B* (SSA in Action) [Sailplanes\Schleicher\ASW-24B], pages 10-11

Roger Archey, *Apollo 920 GPS at Region 11 Contest* (SSA in Action) [*Instruments\GPS*], pages 11-12 Wilhelm Dirks, *Maiden Flight of the DG-800B* (SSA in Action) [*Sailplanes\Glaser-Dirks*], pages 12, 14, 16

Skip Hockman, Genesis I Sailplane in Design News Magazine (SSA in Action) [Sailplanes\Genesis I; Publications], pages 16-17

Bob Nady, Trying a New Location, Visiting Other Clubs When Travelling (Club & Chapter Chatter) [Affiliates, Chapters, and Clubs], page 17

Pete Williams, SLSPA-A Status Report (275 Members Strong) (SSA in Action) [Motorgliding], pages 17-18

Steve Franklin, The 1994 National Motorgliding Championships [Competitions\National\Motorgliding; Poems and Poetry], pages 19-23

1994 National Standard Class Championships (Scoresheet) [competitions\National], page 21

Gary Kemp, 1994 Sports Class Nationals, Montague, CA [competitions\National], pages 24-26

Brian E. Thompson and W. Alex Friess, Rensselaer's Third Sailplane-The RP-3, Progress Report [Sailplanes Rensselaer RP-3; Sailplane Design], pages 27-29

William Malpas, Let's Go on Safari (for a New Experience and Soaring Promotion) [Promotions; Aerospace Education; Expeditions], pages 33-37

Albert Uster, The Development of the Moswey Series [Vintage Aircraft], pages 38-39

Arleen Coleson, Silver Distance [Awards\Badge Requirements], page 44

George Thelen, *Preaching to the Choir (About Incidents)* (Safety Corner) [Safety\Accidents/Incidents; Physiology], pages 46-48

#### **November**

Bill Anderson, Sunlight through the Wings of a Baby Bowlus at a Vintage Sailplane Meet (cover) [Cover]

Hal Marcus, Safety Lacking at Airshow (Flight with Tail Dolly Attached) (Letter) [Preflight], page 2

John W. Glendening, Help (with Cloudstreet Details) Being Asked For (Letter) [Solicitations; Meteorology], page 2

King Povenmire, (Safety Corner) Poetry Decision Questioned (Letter) [Poems and Poetry], page 2

R.H. Swift, Thanks for the Memories (of Military Gliding) (Letter) [History], page 2

Jack McRae, Wilbur it is (, Not Wilber)! (Letter) [Errata; Aerodynamics], page 3

Lars Helmersson, Induced Drag of the AK-8 Project Clarified (Letter) [Sailplane Design; Aerodynamics; Sailplanes\Akaflieg Karlsruhe Ak-8], page 3

Paul Halstead, Get Out of the Cold (Come to Seminole-Lake Gliderport, FL) [Sites], page 3

T.R. Beasley, Wants (Computer Records) Information for Club (Letter) [Computers and the Internet; Solicitations], page 3

R.F. Whelan, One Question, One Quibble (with Ewald and Reuter Article) (Letter) [Aerodynamics; Sailplanes\Akaflieg Darnstadt D-41], pages 3-4

Richard H. Johnson, (Note to R.F.Whelan's Letter) (Letter) [Aerodynamics; Sailplanes\Akaflieg Darnstadt D-41], page 4

Larry Kampa, He Found Montana (Letter) [Sites], pages 4,6

Larry Nicholson, Lithuania Was Fun (Letter) [International\Sites], page 6

Richard H. Johnson, *Recommended Aerotowing and Release Procedures* (Letter) [Launching\Aerotow], pages 6,9

Richard Benbough, Missing Bowlus-Nelson Motorglider (Letter) [Solicitations; Vintage Aircraft], page 9

Mark S. Graham, Remembers Caesar Creek (Forty Years Ago) (Letter) [Affiliates, Chapters, and Clubs], pages 9-10

William G. Hill, An Open Letter to FAA Administrator David Hinson and the SSA Membership (About Airspace) (Letter) [SSA Membership; Airspace; Federal Aviation Administration (FAA)], pages 10-12

Ivan C. Snell, Another Heart Touched (by Hugh Whitney and Leigh Egbert) (Letter) [Obituaries], pages 12,14

B.J. Butler, Had Great Soaring Vacation (at Seminole-Lake, FL and Walterboro, SC and did painting to prove it) (Letter) [Art; Sites], page 14

Knut Kjenslie, First Solo for All Ages (Three Generations at Seminole-Lake, FL) (Letter) [Family], page 14

Les Sebald, Angel Flight? (Letter) [Photography], page 14

Doug Bremner, Takes Exception to (Jamieson's) Letter (Letter) [Launching\Aerotow], pages 14-15

Irving Taylor, No Low Passes (Letter) [Patterns and Landings], page 15

Ken Barroll, World's Largest Glider (Boeing 747 "Spirit of Everett") (Letter) [Aerodynamics], page 15 Jim Mara, Keep It (the Cockpit) Simple (Letter) [Techniques\Patterns and Landings; Launching\Aerotow; Cockpit], pages 15-16

Ken Bernard, Great Vacation (at High Country Soaring) (Letter) [Sites], page 17

Ken Bernard, Wants Information on Evolution of Classes (Letter) [Competitions], page 17

Sean T. Braxton, Thank You Turf Soaring (Letter) [Sites], page 17

Call For (Aviation Psychology) Papers (SSA in Action) [Psychology], page 18

Tom Knauff, Wedekind Safety Sleeve Available (SSA in Action) [Maintenance and Improvements;

Equipment\Hotellier Fittings], pages 18-19

Janice Maupin, Jim Maupin [Obituaries], page 19

Elder Statesmen of Aviation Elected (William S. Ivans and Richard E. Schreder by NAA) (SSA in Action) [National Aeronautic Association (NAA)], page 19

James W. Swinnich, *The National Soaring Museum Director's Report to the SSA Membership* (SSA in Action) [*National Soaring Museum*], pages 19-20

Steve Smith, Status Report from the SSA Contest Rules Committee (SSA in Action) [Competitions], pages 20-21

Bob Nady, Club/Chapter Sessions at Convention, Display of Brochures (Club & Chapter Chatter) [Affiliates, Chapters, and Clubs], page 21

Dean Carswell, Texas Soaring Association's 1994 Training Seminar (SSA in Action) [Launching\Ground Schools], page 21

Ed Byars, Klaus Holinghaus [Obituaries], page 22

Chuck O'Mahony, Preview of Paradise.. Soaring Style (Flying M Ranch in Nevada) [Sites], pages 23-28

Oran W. Nicks, *The PW-5 World Class Glider as a One-Design Configuration* [World Class Glider; Competitions], pages 29-32

George Thelen, on Waves (Safety Corner) [Safety; Techniques\Wave Flying], pages 33-36

Arleen Coleson, Electronic Barograph Approval Procedures [Awards\Badge Requirements], page 44

#### **December**

Craig Stanford, Diane Stanford Flying Her Red and Yellow Schweizer 1-34R (cover) [Cover]

Bill Reuland, Has Magazines to Give Away (Letter) [Soaring Society of America\Soaring Magazine\Reprints and Back Issues], page 2

Dave Bradley, (Philadelphia Glider Council) Has Youth Program That Works (Letter) [Youth], page 2

Lawrence Kampa, Jr., Oshkosh Had a Part of Glider History (Letter) [History], page 2

Phil Petmecky, Adding "E" mergency to Checklists (Letter) [Checklists], page 2

Bill Dehon, Showing Off (in the Pattern) Can Be Hazardous (Letter) [Patterns and Landings], pages 2-3

Charlie Bourget, 12-Meter Sailplanes and the World Class Competition (Letter) [Competitions; Sailplane Production/Availability], pages 3-4

Hans-Werner Grosse, Safety and Sport at the World Championships (Letter, Safety Corner) [International; Safety], pages 4,6,9

John W. Glendening, The Wrights and the Rudder (Letter) [Aerodynamics], page 4

D.C. Unwin, Anyone Have a Motorglider for Rent? (Letter) [Solicitations; Motorgliding], page 9

Frank J. Cherne, III, Chad Poland (Letter) [Obituaries], page 9

Frank J. Cherne, III, Earl Butler (Letter) [Obituaries], page 9

Frank J. Cherne, III, anonymous with glider lapel pin (Letter) [Obituaries], page 9

Pat Costello, Thanks for the Past Ten Years (Letter) [Credits/Appreciation; Insurance], page 9

Stephen J. Lindberg, He Likes to Fly (14-Year Old Nels Lindberg) (Letter) [Youth; Family], page 9

Bob Wander, SSA at Oshkosh (SSA in Action) [Exhibits/Displays/Fairs], page 11

Mike Adams, More on Wedekind Safety Sleeve (SSA in Action) [Equipment\Hotellier Fittings; Maintenance and Improvements], page 11

Jeff Miller, He (Howard Blossom) Gave his Child a Home (SSA in Action) [Seniors; People\Howard Blossom], pages 11-12

George Thelen, Glider Pilots Participate in the (FAA) '94 Poker Run, by Frank Reid (SSA in Action, Safety Corner) [Safety], pages 12,14

Howard Burr, SHA Western Workshop (SSA in Action) [Homebuilts & Homebuilding], pages 14-15 PW-5 Agreement Signed by FAI (SSA in Action) [World Class Glider], page 15

Andy McKittrick, SSA in Action: American Spirit XL Racer Nears Completion [Sailplanes\American Spirit and Spirit XL], pages 15-16

Norman H. Ellison, (1994) Region Eight Contest (Ephrata, WA) [Competitions\Regional; Soaring in Action], pages 16,18

Al Santilli, (1994) Region 9 Championships (Hobbs, NM) [Competitions\Regional; Soaring in Action], pages 19-20

Bob Nady, Why We Like to Fly Gliders (Club & Chapter Chatter) [Affiliates, Chapters, and Clubs], page 23

New Products: Protection for Your Sailplane (Solar Ventilators) (SSA in Action) [Trailers], page 23

New Products: Exercise Your Decision Making (with Competition Training System) (SSA in Action) [Computers and the Internet], pages 23-24

New Products: Soaring Innovations Introduces the Glide Navigator (SSA in Action) [Computers and the Internet], page 24

William Ard, Montana Soaring-the 1994 15-Meter Nationals at Livingston, Montana [Competitions\National], pages 25-30

Jim Short, A Moratorium on (Importing) My Glider? [Federal Aviation Administration (FAA)], pages 31-34

Jim Short, Licensing Non-US Type Certificated Sailplanes in the Experimental Air Racing and/or Exhibition Categories [Federal Aviation Administration (FAA)], page 33

Peter C. King, Why Whisky Tango Didn't Go Over There [Sailplanes\Schempp-Hirth\Open Cirrus], page 35

George Thelen, (Goodbye to) Niner!, by Chris O'Callaghan (Safety Corner) [Safety\Accidents/Incidents], pages 38-40

Arleen Coleson, Procedures for Use of the Electronic Barograph [Awards\Badge Requirements], page 46

## 1995

# January

John Heiney, Harold Stephens Flies a Schempp-Hirth Jantar Standard Invertedabove Hemet, CA (cover) [Sailplanes\Schempp-Hirth\Jantar; Cover]

Jamie Alexander, A 1-25, or a 2-33 (Photo)? (Letter) [Errata], page 2

Jason J. Piper, History of (Phoebus s/n 732) Sailplane Wanted (Letter) [Solicitations], page 2

Pete Williams, (Sailplane Operations - A) Power Pilot's Briefing Available (Letter) [Airports], page 2

Frank Wicks, When a Rudder is Not Needed (Letter) [Aerodynamics], pages 2-3

Bill Rogers, Check Out for Sun Damage (Letter) [Canopies; Reflected Rays], page 3

Bob Wander, NTSB in Attendance At Gliding Seminar (Letter) [Instruction\Ground Schools], page 3

Bret Willat, Word from an Operator (on Pilot Responsibility) (Letter) [Safety\Accidents/Incidents; Handicapped Accomplishments], page 3

Edward Slater, Thanks to (Sheriff's Search and Rescue) Volunteer Group (Letter) [Credits/Appreciation], pages 3-4

Richard S. Klarich, Thanks to CSA (Colorado Soaring Association) for Hosting (a Collegiate) Event (Letter) [Credits/Appreciation; Affiliates, Chapters, and Clubs\Collegiate Soaring Association], page 4

(Dudley Mattson is first recipient of "Old Buzzard Trophy" at 1994 1-26 Championships) [Seniors], page 4

Walter Setz, Has Refresher of (Military Gliding) Memories (Letter) [History], pages 4,6

 $(Oscar\ Boesch\ does\ Sailplane\ Aerobatic\ Routine\ at\ Oshkosh\ '94)\ [Aerobatics;\ Aerodynamics],\ page\ 6d$ 

Nina Galen, Has Trade to Offer (Cottage at Martha's Vineyard) (Letter) [Solicitations], pages 6-7

Bernald Smith, (Pilot Safety) Seminar at Reno95 (Convention) (SSA in Action) [Conventions], page 9

Cyndi Stephenson, New Rules Committee Members Named (SSA in Action) [Competitions], page 9

Bernald Smith, More Plans on Reno95 (Convention) (SSA in Action) [Conventions], pages 9-10

Dave Hudnut, 1994 Eastern Sailplane Homebuilders Workshop (at Kutztown, PA) (SSA in Action) [Homebuilts & Homebuilding], pages 10-11

David Habercom, World Class Soaring Association Self-Launches (SSA in Action) [Sailplanes\World Class Glider], pages 11-12, 14

Peter Masak, Scimitar Has Maiden Voyage (SSA in Action) [Sailplanes\Scimitar 1], pages 14-15

Elmer Mooring, A New Travelling Trophy in Reverse [Awards], page 15

Keith Beardslee, Joe Scott [Obituaries], page 16

Diamant 30th Anniversary a Success (location unknown) (SSA in Action) [History], page 16

Dean Forney, Laurie Moreau [Obituaries], pages 16-17

Billy Singleton, Jack Dunwoody [Obituaries], page 17

Juanita R. Zering, Michael James Zering [Obituaries], page 17

W.C. Bryan, John N. Nowak [Obituaries], page 17

Robert L. Harris, Central Jersey Soaring Club at Work (SSA in Action) [Affiliates, Chapters, and Clubs], pages 17-18

Peter Bacque, Young Eagles Fly in Virginia (SSA in Action) [Youth], page 18

Breathing New Life into Soaring (in Spartanburg, SC) (SSA in Action) [Airports], page 18

Jim Smolen, Region 6 North Contest (Ionia, MI) - 1994 (Soaring in Action) [Competitions\Regional], pages 18-19

New Product Announcement (Private Pilot Written Computer Tutorial) (SSA in Action) [Federal Aviation Administration (FAA)\Licenses\Pilot Certification; Computers and the Internet], page 19

Bob Nady, Club Red Tape and the Enthusiasm of a New Member (Club & Chapter Chatter) [Affiliates, Chapters, and Clubs], page 20

Mat Redsell, Group Genesis [Sailplanes\Genesis I], pages 23-26

Dave Noyes, (1000-km) Straight Out (from Galion, OH) to Cape Cod [Awards\1000 Kilometer Flights], pages 27-28

Richard H. Johnson, Are Your Turbulators Too Large?, Part 1, Winglets [Aerodynamics; Winglets], pages 29-31

Thomas MacJarrett, IRAC: Instructor's Risk Assessment Card [Instruction], page 32

Phil Bucher, Building the American Falcon Kit [Sailplanes\American Falcon; Maintenance and Improvements], pages 33-35

Jason Gregg, A New Format for Glider Racing (GPS only) [Competitions], pages 36-37

Donald D. Engen, *The Soaring Society of America in the Nation's Head Shed [Credits/Appreciation*], page 39

Larry Sanderson, The Soaring Society of America, Inc- 63 Years of Service [Credits/Appreciation; Soaring Society of America\President's Report], pages 38-40

Larry Sanderson, Where Does the SSA Do Business? [Soaring Society of America\President's Report], page 39

Sterling Starr, The Soaring Society of America From My Personal Perspective [Credits/Appreciation], page 40

SSA and CompuServe [Computers and the Internet], page 40

George Thelen, Monkeys Can Fall From Trees (Safety Corner) [Safety\Accidents/Incidents], pages 41-43

Arleen Coleson, Who's Responsible? [Awards\Badge Requirements], page 46

### **February**

Eric M. Eknes, The Early Morning Sun Backlights a Polish Krosno KRO-3a at Andrews-Murphy Airport in North Carolina (cover) [Cover]

Chuck Jamieson, Still says his way (Spoilers never open) is Best (Letter) [Launching\Aerotow], page 2 Roland Laning, Had a Great Vacation (at Sundance Aviation, Moriarty, NM) (Letter) [Sites], page 2

Shawn Kinckerbocker, Another Young Eagle (Chad Knickerbocker) is Taking to the Skies (Letter) [Youth; Family], pages 2-3

Richard Hutchinson, Modern Maturity (Alex Gray, 70+ Years) (Letter) [Seniors], page 3

Ron Ridenour, Soaring Spans the Gap (Jason Allind Solos at 14) (Letter) [Family], page 3

Lee Bradshaw, More on the Rudder and the Yaw String (Letter) [Aerodynamics], pages 3-4

David MacVeigh, Has No Complaints (of Mallettec Minivario) (Letter) [Instruments], page 4

Dick Housman, Granson Has Own Opinion (Letter) [Literature\Poems and Poetry], page 4

Greg R. Stanfield, Hurling Alert (Letter) [Equipment\Hotellier Fittings; Maintenance and Improvements], page 4

Rexford Cullen, These Boots Were Made for Flying (Letter) [Cockpit], page 4

Stan Jenkins, Seeks Advice on Sailplane Purchase (Letter) [Growth], pages 4,6

Fredrick Voltz, World Classy (That Russia AC-4)! (Letter) [Sailplanes\Russia AC-4], page 6

Steven A. Sutnick, Member (Bill Willis) is Missed (Letter) [Obituaries], page 6

Tom Knauff, SSA Announces Special Award for Bronze Badge Number 1,000 (SSA in Action) [Awards\Badge Requirements], pages 8-9

Genesis I Completes Successful First Flight (SSA in Action) [Sailplanes\Genesis I], page 9

Drew Pearce, Young Eagles (Scouts) Fly at Soar Hollister (SSA in Action) [Youth], pages 9-10

James Carr, Thank You, Sandhill (Soaring as Vultures and Sandhill Fly Together) (SSA in Action) [Credits/Appreciation], page 10

Paul A. Schweizer, More on proud history of NSM (SSA in Action) [Affiliates, Chapters, and Clubs\National Soaring Museum], pages 10-12

Jan Scott, Hans Jacobs [Obituaries], page 12

Bob Wander, Ed Finegan [Obituaries], pages 12,14

Cindy Mildenberger, 1994 Region 3 Soaring Conterst - Dansville, New York (Soaring in Action) [Competitions\Regional], pages 15-16

Bob Nady, Synergism and Flying at a New Field (Club & Chapter Chatter) [Affiliates, Chapters, and Clubs], page 17

Ed Byars, Region 4 (South)- New Castle, Virginia (1994) (Soaring in Action) [Competitions\Regional], pages 16-18

CBS This Morning (from Bermuda Hi) (SSA in Action) [Publicity], page 18

Karl Striedieck, Ed Seymour, and Roy McMaster, *A Bridge Too Far (Or 3=1) [Awards\1000 Kilometer Flights; Awards\Records and Record Flights]*, pages 21-26

Gail Allinson, The Flight Review: An Instructor's Perspective [Instruction\Flight Reviews], pages 27-28

Angus Thomson, *The Art of Going Safely in Dangerous Places, Part 1* (Safety Corner) [Safety; Stalls/Spins], pages 29-32

Randy Kunda and Michael L. Shakman, Wave Flying - Over Illinois and Wisconsin? [Techniques\Wave Flying], pages 33-35

Editor, Attention All Soaring Clubs, Sites, and SSA Business Members (1995 Directory of Soaring Sites, etc.) [Publications], page 35

Paddy S. Welles, Grandmaw Learns to Fly [Instruction], pages 37-39

George Thelen, Which Way Does The Wind Blow? (Towplane Upset) (Safety Corner) [Launching\Tow-planes], pages 40-41,43

Arleen Coleson, FAI Sporting License Renewal [Awards\Badge Requirements], page 48

## March

May Voltz, Russia 126 AC-4 Sailplane on the Grass before Darkening Clouds (cover) [Cover]

James R. Brandt, Accolades to HHSC (Harris Hill Soaring Club) (Letter) [Credits/Appreciation], page 2

Peter Myers, GPS Wanted for World Class Soaring (Letter) [Sailplanes\World Class Glider], page 2

David R. Haag, *Thanks for Help (from Jim Short's Article and Needs List of Imported Gliders)* (Letter) [Credits/Appreciation; Solicitations], pages 2-3

David L. Nye, Not Fair (for Willat) to Lump Them (Handicapped Pilots) All Together (Letter) [Handicapped Accomplishments], page 3

David S. Habercom, Error Reported on Price of PW-5 (Letter) [Sailplanes\PW-5; Errata], page 3

Homer C. Cooper, Call to C(hina) B(urma) I(ndia WWII) Veterans (Letter) [Solicitations], page 3

Ray Richards, *Needs Assistance (with L-19 Noise Abatement)* (Letter) [Launching\Towplanes; Solicitations], page 3

Rexford G. Cullen, He Disagrees with Operator's (Willat's) Conclusion (Letter) [Handicapped Accomplishments], pages 3-4

Bill Whelan, A Bermuda High Soaring Experience (Letter) [Sites], page 4

Gunter Voltz, From Russia with Love (Letter) [Sailplanes\Russia AC-4], page 4

Hanno Ix, Concerned About Electromatic Currents (from Radio Antenna Coax Cable) (Letter) [Sailplanes\American Falcon; Equipment\Radios], page 4

Harold Shevers, Jr., Aviation Exploring Moves Forward (with Conference at Oklahoma City) (Letter) [Youth], page 4

Oran Nicks, *Update on World Class Glider Status and Plans* (SSA in Action) [Sailplanes\World Class Glider], pages 5-6

Jim Short, *Historic Reunion (of Military Gliding with LK CG-10A)) at Monument Dedication* (SSA in Action) [*History*], pages 6,8-9

Ed Hollestelle, Filser Electronics (GPS) Goes (with IBM Compatible PC) RAM (SSA in Action) [Computers and the Internet; Instruments], page 9

Jim Short, Support and Service for Glasflugel Sailplanes (SSA in Action) [Maintenance and Improvements], pages 9-10

Jim Short, Importing a Used Sailplane? Caveat Emptor (SSA in Action) [Federal Aviation Administration (FAA)], page 10

Jim Short, FAA Renews Exemption for (Aircraft External) ID. Plate (SSA in Action) [Federal Aviation Administration (FAA)], pages 10-11

Jim Short, Original Exemption Document, Extension for FAA Exemption No4988, and Most Recent Letter of Extension - to October 30, 1998 [Federal Aviation Administration (FAA)], page 11

John Campbell, New SSA Youth Grant (from Bultman Trust Fund) (SSA in Action) [Youth], page 14 DG-500 Elan Orion (SSA in Action) [Sailplanes\Glaser-Dirks], pages 14-15

Pete Williams, MSC to Host 1995 Open Class and Auxiliary-Powered Nationals (at Minden) (SSA in Action) [Competitions\National\Motorgliders], page 15

Round GPS Unit Introduced (by Morrow) (SSA in Action) [Instruments], page 15

John Murray, Region 6 South Contest Report (1994, Waynesville, OH) (Soaring in Action) [Competitions\Regional], pages 15-16

Jim Meiklejohn, 1994 Region 4 North - Fairfield, PA (Soaring in Action) [Competitions\Regional], pages 16-17

Bob Nady, What Clubs are Doing, Problems (Club & Chapter Chatter) [Affiliates, Chapters, and Clubs], page 18

Richard H. Johnson, A Flight Test Evaluation of the Russia 126 Meter World Class Sailplane [Aerodynamics\Flight Tests; Sailplanes\Russia AC-4], pages 21-26

Dean Carswell, The AC-4 Russia 126 in the Soaring Club Context [Sailplanes\Russia AC-4], pages 24-25

Bob Hurni, The 1994 1-26 Championships - Promises Kept! [Affiliates, Chapters, and Clubs\1-26 Association; Sailplanes\Schweizer\SGS 1-26], pages 27-31

Angus Thomson, *The Art of Going Safely in Dangerous Places, Part 2* (Safety Corner) [Safety; Stalls/Spins], pages 33-36

Donald S. Garofalo, Soaring - The Ageless Sport [Seniors], pages 37-38

Arleen Coleson, EW Barograph Approval and Other Electronic Barographs [Awards\Badge Requirements], page 42

J.F. Crawford, More Than a Handful (Loose Canopy on Tow) (Safety Corner) [Safety; Launching\Aerotow; Canopies], pages 44-46

#### April

Chuck O'Mahony, Collage from Omarama, NZ 24th WGC of Launch Grid, Balloon Release, Nearby Mountains, the US. Team Marching, etc. (cover) [Competitions\World]

David Habercom, World Class is World Class (Letter) [Sailplanes\World Class Glider], page 2

Editor, Soaring Magazine Policy for Letters to "Soaring Mail" (and Disclaimer) [Publications], page 2 Roy K. Hennig, More on Adverse Yaw (and The String The Wrights Used) (Letter) [Aerodynamics], page 2

L.G. Smith, *His Experience (at Grand Prairie and Hobbs, TX, and Eagle Nest) Has Been Good* (Letter) [Sites], pages 2-3

Stephen DuPont, Wants It (Aircraft Specification Units) Done One Way (Letter) [Commentary], page 3
Dan Ernst, Feels (Handicapped) Characterization Was Unfair (by Willat) (Letter) [Handicapped Accomplishments], pages 3-4

Jessica Stearns, *A Soaring Experience (at South Jersey Soaring Society)* (Letter) [Sites], pages 4-5 Terry Morgan, Two Brothers Make It a Family Sweep (Letter) [Family], page 5

Jim Hurst, You Like Winter Sports? Try Soaring (Caesar Creek Style) (Letter) [Sites], pages 5-6

Roy McMaster, New Turnpoint Numbering System (for Computer Indexing) (Letter) [Competitions; Computers and the Internet], pages 7-8

Charles Vorsanger, What is An Ideal Tow Vehicle? (Letter) [Trailers; Retrieves], pages 8-9

Bruno Cerceo, *Thanks for the Support and Memories (30 years of Philadelphia Soaring Club)* (Letter) [Credits/Appreciation; Affiliates, Chapters, and Clubs], page 9

Grenville Seibels, II, *Thanks to You All (Team USA at Omarama)* (Letter) [Competitions\Team Competition; Credits/Appreciation], page 9

Karl H. Striedieck, Towing and Spoilers (Letter) [Launching\Aerotow], page 9

Richard A. Brown, April Fools (Letter) [Literature\Humor], page 9

Tim Hanke, A Joint Effort Was Involved (in 1994 Region 3 Results Error) (Letter) [Errata; Competitions\Regional], page 9

Jan Scott, For the First Time Ever (International Vintage Sailplane Meet in US.) (SSA in Action) [Vintage Aircraft], pages 11-12,14

Ten 1994 Record Flights Recognized by NAA (SSA in Action) [National Aeronautic Association (NAA); Awards\Records and Record Flights], page 11

Kelley Sargent, A Poem (About Soaring Flight) [Literature\Poems and Poetry], page 14

A Poem by Kelley Sargent (SSA in Action) [Literature\Poems and Poetry], page 14

John Campbell, Update on the Cadet Program (SSA in Action) [Youth], pages 14,16

Harry Irvine, VSA Announces Western Regatta (for 1995 at Hemet) (SSA in Action) [Vintage Aircraft], page 17

Skip Hockman, SSA in Action: Airflow Studies Done on Genesis I [Sailplanes\Genesis I; Aerodynamics], page 17

Alex Portalatin, Computer Design Disk Available (SSA in Action) [Aerodynamics; Sailplane Design; Computers and the Internet], page 18

Neal Holshan, A View of the SZD-59 Acro (SSA in Action) [Sailplanes\SZD-59 Acro], page 18

John Boyce, Region One Competition to Fly Again (in Springfield, Vermont) (Soaring in Action) [Competitions\Regional], page 19

Paul A. Schweizer, Warren E. Eaton, Jr. [Obituaries], pages 19-20

Chicagoland Glider Council, Joe Steinhauser [Obituaries], page 20

Hans Schwarz, Karl Nassauer [Obituaries], page 20

Ralph Biesemeyer, Russell Buchanan [Obituaries], pages 20-21

Bob Nady, New IA Club on General Aviation Airport (Club & Chapter Chatter) [Affiliates, Chapters, and Clubs], page 21

LBA Airworthiness Directive for Schempp-Hirth Sailplanes (SSA in Action) [Sailplanes\Schempp-Hirth; Maintenance and Improvements], page 21

World Air Games Launches Homepage, Nov '96, p9. anon.: SSA and CompuServe (SSA in Action) [Computers and the Internet], page 21

Chuck O'Mahony, Wild and Wooly! The 24th World Gliding Championships [Competitions\World], pages 22-29

Chuck O'Mahony, G'Dye Cobber [Competitions\World], page 26

Mike Adams, Safely Using Ground Handling Systems [Ground Handling], pages 31-32

Gary Kemp and Art Clark, Parowan, Utah - New 1000K Site [Awards\1000 Kilometer Flights], pages 35-37

Gene Hammond and Bernald Smith, Sailplane Safety (Accident and Injury Numbers Up, Looking at '94, What Phase of Flight?, Currency, Competency and Confidence, Where Do They Occur, Dehydration Cures - Water or What?, is a Bad [Safety\Accidents; Affiliates, Chapters, and Clubs\Soaring Safety Foundation], pages 39,40

George Thelen, Lettuce Teach You Soaring Safety, by Lane Cobb (Safety Corner) [Safety; Instruction\Flight Instructors], pages 43-45

Arleen Coleson, Electronic Skyway (CompuServe address) [Awards\Badge Requirements], page 46

### May

Mark Montague, Alex Burnette's Schleicher ASW-20 as a Street Display During the Reno Air Race Festivities (cover) [Sailplanes\Schempp-Hirth\ASW-20; Cover]

Dirk D. Kretschman, He Enjoyed Grandma's Story (Letter) [Instruction], page 2

Patrick R. Veillette, Stall/Spin (with Laminar Airfoils) Needs to be Understood (Letter) [Stalls/Spins], page 2

Don Frost, *The Aerow Tow* (Letter) [Launching\Aerotow], pages 2-3

Gary B. Gammal, A Unique Combination (Your DC 3 and My DG-500M) (Letter) [Photography], page 3

Lars Ericsson, Radio Controlled Glider Meet Planned (for June 15-18, 1995) (Letter) [Models], page 3 Val Brain, Less Noise (and More Good Neighboring) - Better (Community) Relations! (Send Your Stories) (Letter) [Launching\Towplanes; Solicitations; Promotions; Aerospace Education], page 3

David S. Habercom, *Undecided about GPS (for World Class Soaring)* (Letter) [Sailplanes\World Class Glider], pages 3-4

Paul W. Souder, An Old Eagle Remembers (Early Ohio Soaring, and Plans his Own Launch Method for Flight by Human-Powered Kite) (Letter) [History], page 4

Paul W. Souder, An Old Eagle Remembers (Early Ohio Soaring, and Plans his own launch method for Flight by Human-Powered Kite) (Letter) [Ultralights], page 4

Karl Striedieck, 1995 (Contest) Rules Changes Approved at Reno (Convention) (SSA in Action) [Competitions], page 5

James W. Swinnich, The National Soaring Museum Director's Report (Johann G. Kuhn and Joseph P. Steinhauser are 1995 Inductees for Soaring Hall of Fame) (SSA in Action) [Affiliates, Chapters, and Clubs\National Soaring Museum], pages 5-6

DG-800S Now LBA Type Certified (SSA in Action) [Sailplanes\Glaser-Dirks], pages 6,8-9

Management of SLSPA Restructured (SSA in Action) [Motorgliders], page 6

1995 Version of 1930's-Style "Primary Glider" Introduced (the US Aviation Super Floater) (SSA in Action) [Ultralights\US Aviation Super Floater], pages 9-10

Pete Williams, (Power Pilot's) Briefing Available on Sailplane Operations (SSA in Action) [Airports], page 10

A New Name on the Gliding Scene (DG-505 ELAN ORION from Slovenia) (SSA in Action) [Sailplanes\Glaser-Dirks], page 10

Anne Wilson Kind, OCSA Hosts Wave Experts (Dr Morton Wurtele and Jack Ehrenberger) (SSA in Action) [Techniques\Wave Flying], pages 10-11

Dennis Johnson, Soaring (Safari) in Kenya (SSA in Action) [Expeditions; International\Sites], pages 11-12

Bernald Smith, Flash News from IGC (on GPS Concept Approval Only) (SSA in Action) [Awards\Badge Requirements; International Gliding Commission (IGC)], page 12

Bill Evelyn, My "Soaring Safari" (in Kenya) (SSA in Action) [International\Sites], pages 12,14

Lucille F. Wilson, For a Time the Chair Was Empty (SSA in Action) [Esprit de Corps; Handicapped Accomplishments], pages 14-15

John Campbell, Wanted: Young Contest Pilots (SSA in Action) [Youth], page 15

Paul A. Schweizer, Bernard L. Wiggin [Obituaries], pages 15-16

Joe Volmar and James Carr, Johann G. Kuhn [Obituaries], page 16

Jim Short, Ramp Check [Federal Aviation Administration (FAA)], page 17

Vern Frye, Herb Brown [Obituaries], pages 16,18

Bob Nady, Convention Innovations (Club & Chapter Chatter) [Conventions], page 18

Judy Lincoln, For Fiscal Year Ending October 31, 1994 [Soaring Society of America\Annual Report], pages 19-22

Mike Koerner, SSA President's Report [Soaring Society of America\President's Report], page 22

Chuck O'Mahony, Everyone Was a Winner! - 777 [Conventions], pages 23-28

Amanda Siegel and John Daniell, 1994 Standard Class Nationals Warren, VT [Competitions\National], pages 30-33

Developments in GPS Flight Recording [Instruments], page 33

Jim Payne and Jackie Payne, My Almost Perfect Trip to Texas [Cross Country Soaring], pages 37-38

George Thelen, Soaring Safety Seminar (at Reno 95 Convention), by Tom Knauff (Safety Corner) [Safety; Conventions; Instruction\Ground Schools], pages 39-44

Arleen Coleson, New! SSA (Annual) Distance Award (Requirements) [Awards\Distance Awards; Awards\Badge Requirements], page 46

### June

Andy McKittrick, American Spirit XL in Flight Over the Mountainous Terrain of California City, CA (cover) [Cover]

- Chip Garner, Let's Examine GPS Options Closely (Letter) [Instruments], page 2
- Gene Waggy, A General Maintenance Alert (for Aircraft with Major Repairs) (Letter) [Maintenance and Improvements], page 2
- David Malloy, This One is Special (Mike Petruska solos on 14th Birthday) (Letter) [Youth], pages 2-3
- Derek Johnson, Soaring Centre of South Carolina Telephone Number Changed (Letter) [Business Members; Errata], page 3
- Tom Johnston, Another Soaring License Plate (Letter) [Promotions; Aerospace Education], page 3
- Derek P. Johnson, Ground Roll Control (with Airbrake) (Letter) [Launching\Aerotow], pages 3-4
- Fredrick Voltz, Russia AC-4 (Wanted in World Class) (Letter) [Sailplanes\Russia AC-4], pages 4,6,9
- John Barney, Diamant on Display (at Reading Museum) (Letter) [Exhibits/Displays/Fairs], page 4
- William Ard, Wants Russia 126 in World Class (Letter) [Sailplanes\Russia AC-4; Sailplanes\World Class Glider], page 4
- Jerome K. Layton, Sewing (Magazine for Someone Interested in Flying Gliders)? (Letter) [Literature\Humor], page 9
- Peter Ryder, World Class and the Russia 126M (Letter) [Sailplanes\World Class Glider; Sailplanes\Russia AC-4], page 9
- William Davis, Feels Transition Pilots Are Unfairly Targeted (Letter) [Instruction\Transition], pages 9-10
- Peter H. Urschel, Encounter with Undesirable Stick Forces (Loose Spanwise Aileron Tape) (Letter) [Preflight; Aerodynamics], page 10
- Richard H. Johnson, A Pilot's View of the Stemme S-10 (Letter) [Motorgliders\Stemme S10], page 10
- Roger Gomoll, Soaring to be Represented (at Oshkosh 1995) (Letter) [Promotions; Aerospace Education], page 10
- Cyndi Stephenson, Contest Board Solicits Proposals (for 1997 Nationals) (SSA in Action) [Competitions\National], page 11
- James L. Cole, Jr., NAA Requests Nominations for (Wright Brothers) Memorial Trophy (SSA in Action) [National Aeronautic Association (NAA)], page 11
- Jan Scott, Tribute to (Klaus) Holinghaus Available (SSA in Action) [Obituaries], page 11
- Jim Neffinger, World Class Manufacturing Agreement Made (with Apeks International) (SSA in Action) [Sailplanes\World Class Glider], page 11
- Margarett Roy, 1995 WSPA (17th Annual) Seminar (Dates for Sugarbush, VT) (SSA in Action) [Affiliates, Chapters, and Clubs\WSPA], page 11
- Harry J. Baker, *The Rebel Yell (is Heard as Alabama Pilots Do Wave at Minden)* (SSA in Action) [Techniques\Wave Flying; Affiliates, Chapters, and Clubs], pages 11-12
- Bob Hurni, Schweizer Recognized by 1-26 Association (SSA in Action) [Affiliates, Chapters, and Clubs\1-26 Association; Sailplanes\Schweizer\SGS 1-26], page 12
- Jan Scott, VSA Introduces Glider Cards (SSA in Action) [Vintage Aircraft], page 12
- Irn Jousma, Contest Board Announces Club Class Opportunity (SSA in Action) [Competitions], pages 12,14
- Klaus Holinghaus, *The Design of the Ventus 2* (SSA in Action) [Sailplanes\Schempp-Hirth\Ventus 2; Sailplane Design], pages 15-17
- Bob Wander, What's SSA Done for Me Lately? Speaker Support Audiovisual Program (Headquarter Happenings and Buzz) [Soaring Society of America], page 18
- Mike Nancy and Greg Lichina, *In Memory of a Glider Pilot (Larry Lichina The Blue Feather Fly-In Trophy)* (SSA in Action) [*Obituaries; Awards*], pages 17-19
- Mike Nancy and Greg Lichina, *In Memory of a Glider Pilot (Larry Lichinda The Blue Feather Fly-In Trophy)* (SSA in Action) [Family], pages 17-19
- SSA and CompuServe [Computers and the Internet], page 18
- Bob Nady, *Pooling Rsources to Do Something New* (Club & Chapter Chatter) [Affiliates, Chapters, and Clubs], page 19
- New (Contest Gate) Radio Given in Memory of Jim Cox (SSA in Action) [Competitions\National Memoriam], page 19
- John Sullivan, Above Ground Testing in Nevada-Air Sailing Style [Instruction\Ground Schools; Cross Country Soaring], pages 21-26

John Sullivan, The 1994-The Eighth Air Sailing, Inc. Cross-Country Camp [Instruction\Ground Schools], page 24

John Sullivan, Soaring Biography of Carl D. Herold [People\Carl D. Herold], page 26

Ido Millet, Improving the Fee Structure in a Soaring Club Through Spreadsheet Modeling [Computers and the Internet; Affiliates, Chapters, and Clubs], pages 27-29

Ian Oldaker, Pilot Decision-Making or Judgement Training [Instruction], pages 31-35

Victor M. Saudek, Hangar Flying 101 [Meteorology\Atmospheric Phenomena\Reflected Rays], pages 37-39

Arleen Coleson, GPS Approved for Use October 1, 1995 [Awards\Badge Requirements], page 41

George Thelen, You Gotta Make Up Your Mind (Safety Corner) [Techniques\Wave Flying; Motorgliders; Maintenance and Improvements; Physiology], pages 45-48

Thanks To SSA's Best Membership Recruiters in 1994! [Growth; Promotions; Aerospace Education; Credits/Appreciation], page 47

# July

Connie Indrebo, Parachutist Lands in a Field of Yellow Flowers at Crazy Creek Gliderport as a Schleicher ASW-24 Passes by (cover) [Sailplanes\Schleicher\ASW-24; Cover]

Brad White, Looking Reality in the Eye (from Gliding to Power to Soaring to Hang Gliding to Paragliders and On) (Letter) [Growth; Esprit de Corps; Hang Gliding], page 2

Donald G. Hobel, *Plight of Power Pilots is Alarming (from FAA Persecution)* (Letter) [*Physiology*\*Medical Condition; Federal Aviation Administration (FAA)*], pages 2-3

Jochen Ewald, Handy Device is Illustrated (to Lift Glider Tail Section) (Letter) [Trailers; Ground Handling], page 3

Hugh D. Colton, GPS Can Draw the Spectators (Letter) [Instruments; Promotions; Aerospace Education], pages 3-4

Jay D. Campbell, A Weekend to Remember (He Flies and his Son, Jeff Campbell, Solos at Bermuda High) (Letter) [Promotions; Aerospace Education; Sites; Family], page 4

T. Guy Spencer, Jr., Commendations on Study of Stall/Spin (and a Warning About Pivotal Altitude) (Letter) [Techniques\Stalls/Spins; Techniques\Patterns and Landings], page 4

Bob Wander, Growing Soaring (by Using Greeters, Guest Registers, and Business Cards) (SSA in Action) [Growth], page 6

Cyndi Stephenson, SSA Needs Your HE.L.P. (Your Lapel Pins) (SSA in Action) [Solicitations], page 6 Gary Kemp, News from SSA Insurance Committee (Senior Medical/Health Statement Dropped) (SSA in Action) [Insurance], page 6

Paul A. Schweizer, World Class Situation Clarified (SSA in Action) [Sailplanes\World Class Glider], pages 6,8-9

Roger Gomoll, Soaring Activities to be Part of Oshkosh (SSA in Action) [EAA], page 6

Gene Hammond, SSA in Action: Pilot Dies in Towing Accident [Launching\Towplanes; Safety\Accidents/Incidents], page 9

Ted Burris, The Loomis Collection (of Photos at the National Soaring Museum) (SSA in Action) [Affiliates, Chapters, and Clubs\National Soaring Museum], pages 9-11

Kathleen Winters, *The World Distance Award Revisited* (SSA in Action) [Awards\Distance Awards; Awards\World Distance Award], pages 11-12

Test Flight of Ventus 2cT Reported (SSA in Action) [Sailplanes\Schempp-Hirth\Ventus 2], pages 12,14 Solaire Announces Aerobatic Ties (SSA in Action) [Aerodynamics; Aerobatics], page 14

Mike Bird, A Very Relaxed Occasion (the 1995 Senior Nationals at Seminole-Lake) (SSA in Action) [Seniors; Competitions\National], pages 14-17

Eric Moser, Region Five North Championships-Chester, SC April 16-21, 1995 (Soaring in Action) [Competitions\Regional], pages 17-18

William B. Cleary, Marion C. Cruce [Obituaries], page 18

Howard Ebersole, Kempes F. "Kemp" Trager [Obituaries], pages 18-19

Bob Wander, *Preserving Airspace at Hobbs, and Recent ABC and CBS TV Publicity* (Headquarter Happenings and Buzz) [Airspace], page 19

Tom Elmore, Art Haseltine [Obituaries], page 19

Larry and Jane Barrett, Fred Harris [Obituaries], pages 19-20

- Bob Nady, *Ode to the Venerable 2-33* (Club & Chapter Chatter) [Sailplanes\Schweizer\SGS 2-33], page 20
- Richard H. Johnson, A Flight Test Evaluation of the LET L-33 Solo Sailplane [Aerodynamics\Flight Tests; Sailplanes\Let L-33 Solo 'Baby Blanik'], pages 23-27
- Patrick T. Redig, Soaring with the Eagle [Birds], pages 29-30
- Pete Williams, Against All Odds (Bruce McGhie with Hands-Only Controls for the Grob Twin III SL) [Handicapped Accomplishments], pages 31-32
- Stan Hall, Soaring and The Society of America [Affiliates, Chapters, and Clubs\National Soaring Museum; Promotions; Aerospace Education], pages 33-36
- Richard Carr, Technology and the Nature of Sport, a Neo-Luddite Runs Afoul of Rorschach [Instruments], pages 37-38
- Gene Hammond, Sailplane Safety: The New Rudder Waggle Signal, by Tom Knauff (Safety Corner) [Safety], pages 39-40
- Gene Hammond and Bernald Smith, Sailplane Safety: The New Rudder Waggle Signal, by Tom Knauff [Safety], pages 39-40
- Tom Knauff, The New Rudder Waggle Signal [Affiliates, Chapters, and Clubs\Soaring Safety Foundation], pages 39-40
- George Thelen, Safety from the Land O' Lakes (Second Half of the Soaring Safety Seminar at Reno95), by Bob Wander (Safety Corner) [Safety; Instruction\Ground Schools; Conventions], pages 41-43
- Arleen Coleson, Common Questions Concerning Cameras [Awards\Badge Requirements], pages 45-46

## August

- Guy Westgate, Inverted Polish SZD-50-1 "Puchacz" Rolling Background (cover) [Sailplanes\SZD-50 "Puchacz"; Cover]
- Benone Costea, Call to IS Model Glider Owners (Letter) [Business Members; Solicitations; Maintenance and Improvements], page 2
- Jim Brown, Sees Reaching Youth As Key To Success (Letter) [Youth; Promotions; Aerospace Education], page 2
- Jim Neffinger, Contact Information Provided for Apeks (Letter) [Errata; Sailplanes\World Class Glider], page 2
- Frank Reid, New SSA State Governors Appointed (for North Carolina and Florida) (SSA in Action) [Soaring Society of America\Governors], page 4
- Gerry Whitmore, The Vultures Soar with the Eagles (by Making 30-Min Video, Soar Like an Eagle) (SSA in Action) [Video Tapes], page 4
- Gerhard Waibel, A New Racing Class Glider, The ASW-27 (SSA in Action) [Sailplanes\Schleicher\ASW-27], pages 4-5
- Bob Wander, New Products Now Available (Written! Computer Program and Transition to Single Seat Gliders) (SSA in Action) [Computers and the Internet; Federal Aviation Administration (FAA)\Licenses\Pilot Certification], page 6
- Ken and Mid Kolstad, *Kolstad Winners Both Awarded Full Grant* (SSA in Action) [Awards\Kolstad Scholarship and Awards], page 6
- Ray Kleber, News from Model Builders (Schweizer Models Soon Available) (SSA in Action) [Models], page 6
- Tom Knauff, New Product-Solarcell by Solarflex Systems (SSA in Action) [Instruments], pages 6,8
- Ed Hollestelle, New Product from Germany (LX 4000E Filser Final Glide Computer) (SSA in Action) [Computers and the Internet; Instruments], pages 8-9
- Sandy Bassett, Region 5 South Championships May 7-12, 1995 at Cordele, Georgia (Soaring in Action) [Competitions\Regional], page 9
- Bob Nady, Newsletters and Their Editors, Vital Communications Links (Club & Chapter Chatter) [Affiliates, Chapters, and Clubs], page 10
- Bob Wander, Leaders with Initiative: Chuch O'Mahony, Mark Winders, and George Thelen (Head-quarter Happenings and Buzz) [People], page 10
- Richard Brown, Hans Peter Karlsson [Obituaries], pages 9-11

- Flavio Lora and Jim Anderson, 500 Miles of Jungle, 400 Miles of Ocean in a Motorglider, and No Gas in Alabama [Motorgliders\Super Ximango], pages 17-21
- Tillman Steckner, An Unforgettable Day at the Ridge [Techniques\Outlandings; Techniques\Ridge Soaring], pages 23-27
- Tillmann Steckner, An Unforgettable Day at the Ridge [Techniques\Ridge Soaring], pages 23-27
- Richard H. Johnson, Turbulator Flight Test Part II Ventus 166 Wing [Aerodynamics\Flight Tests; Sailplanes\Schempp-Hirth\Ventus 2], pages 29-33
- Raul Blacksten, Clio Whispers (Preservation and the Museum of Army Flying at Middle Wallop, England) [Museums; Affiliates, Chapters, and Clubs\National Soaring Foundation; History], pages 34-37
- Jean-Renaud Faliu, Some Tips Off the Counter for Beginning Cross-Country Flight [Cross Country Soaring], pages 39-42
- George Thelen, *Unconnected or Disconnected (Do a Positive Control Check)?* (Safety Corner) [*Pre-flight*], pages 43-44
- Arleen Coleson, Let's Do Silver Distance! [Awards\Badge Requirements], page 46

# September

- Real Le Goueff, Astir CS Nose with Panorama of Clouds Above (cover) [Cover]
- Phil Klauder, (Melissa Klauder's) Solo (at Fourteen) Flight Made Good Story [Family; Youth; Instruction], page 2
- William Hannahan, Need New (Towplane) Towhook (Letter) [Launching\Release Mechanisms; Launching\Towplanes], page 2
- Joe Stuart, Another Comment on Ground Handling Systems (Letter) [Ground Handling], pages 2-3
- Simine Short, *The Times They Are a Changing (Joseph P. Steinhauser Photo Tribute)* (Letter) [*Obituaries*], page 3
- Ed Jones, (Loose Elevator Spanwise Tape) Shake(s) Your Tail (Letter) [Preflight; Aerodynamics], pages 3-4
- Collette Mortimer, What's The Sport All About? (Letter) [Instruments], page 4
- Ed Replogle, Another in Favor of Richard Carr's Letter (Really an Article Against GPS Use) (Letter) [Instruments], page 4
- Ron Baker, Gympie Gold Rush Vintage Glider Rally (in Queensland, Australia) (SSA in Action) [International\Sites; Vintage Aircraft], page 6
- SSA Member Missing in Chechnya (SSA in Action) [People\Fred Cuny], page 6
- Doug Bell, 1995 Region 9 Soaring Championships (Estrella, AZ) (Soaring in Action) [Competitions\Regional], pages 8-9
- James Francis Jenista, Jr. [Obituaries], page 9
- James M. Jenista, The Thermal (Tribute to James Francis Jenista, Jr.) [Obituaries], page 10
- Freedom's Wings Licenses Another Pilot (Robert Calzonetti) (SSA in Action) [Handicapped Accomplishments], page 10
- SSA and CompuServe [Computers and the Internet], page 10
- Bob Nady, Club Members Knowing Club Constitution and By-Laws (Club & Chapter Chatter) [Affiliates, Chapters, and Clubs], page 11
- Bob Wander, Leaders with Initiative: Gene Hammond, Roger Gomoll, Ron Clarke, and all the 26 Board of Directors (Headquarter Happenings and Buzz) [People], page 11
- Aircraft Design Winner Sails into World Championships (SSA in Action) [Sailplanes\Scimitar 1], page 12
- Paddy S. Welles, An Easterner's View of the 15-Meter National Championships at the "Oil Patch," (Hobbs, NM) [Sites\Hobbs, NM; Competitions\National], pages 14-19
- Richard H. Johnson, A Flight Test Evaluation of the ASH-26E Self Launching 18-Meter Sailplane [Aerodynamics\Flight Tests; Motorgliders\Schleicher\ASH-26E], pages 21-27
- Don Pollard, Don Pollard's ASH-26E Evaluation [Motorgliders\Schleicher\ASH-26E], page 27
- Robert Whelen, To Open or Not to Open (the Spoilers), That is The Question [Aerodynamics; Launching\Aerotow], pages 28-30
- Scott Anderson, Robert Atherton, and Charles V. Lindsay, *Thermal Wave Flights [Techniques\Thermals and Thermaling; Techniques\Wave Flying; Meteorology*], pages 31-35

Malcolm Morrison, It Was a Cold and Stormy "Flight" [Meteorology; Cross Country Soaring; Instruction; Techniques\Outlandings], pages 37-38

Arleen Coleson, Selecting a Turnpoint [Awards\Badge Requirements], page 40

George Thelen, Our Aging Fleet, by Bill Ray (Safety Corner) [Maintenance and Improvements], pages 41-44

#### October

Carla Page, Flight Line at IVSM at Harris Hill in Elmira, NY with National Flags in the Foreground (cover) [Cover]

Dave Hudnut, (Len) Niemi Will Be Missed (Letter) [Obituaries], page 2

Martha Jacobs, Can You Provide This (Translation of Segein ueber den Alpen) Information? (Letter) [Solicitations], page 2

Tim Hanke, Youth Support Needed for Contests (Letter) [Youth], page 2

Brian Hollington, Has Some Questions about Promotion (Letter) [Promotions; Aerospace Education], pages 2-3

John Lucas, Solo Success (Four Solos the First Day for Five Hours at Seminole-Lake) is Noted (Letter) [Sites], page 3

Stephen DuPont, Hang Gliding (Pivotal Altitude) and Spins Discussed (Letter) [Hang Gliding; Techniques\Patterns and Landings; Stalls/Spins], page 4

Bernald Smith, Richard H. Johnson 1995 Barnaby Lecturer (SSA in Action) [Affiliates, Chapters, and Clubs\National Soaring Museum], page 6

David Habercom, WCSA Holds Meeting; PW-5 Progress Noted (SSA in Action) [Sailplanes\World Class Glider], page 6

Wilhelm Dirks, News of DG-500/20 with Elan Winglets and 17M Wingtip Extensions Winglets (SSA in Action) [Sailplanes\Glaser-Dirks], pages 6, 8-9

Schweizer Brothers Receive FAA Award (SSA in Action) [Awards\FAA; Federal Aviation Administration (FAA)], page 6

Dan Armstrong, SHA Meeting Due on West Coast (at Tehachapi, CA) (SSA in Action) [Homebuilts & Homebuilding], pages 9-10

Dave Newill, "Soaring for Youth" a Big Success (by Central Indiana Soaring) (SSA in Action) [Youth], pages 10-11

Huffstutler Named Chairman of US. Team Committee (SSA in Action) [Competitions\Team Competition], page 11

Carlys Sjoholm, SSA in Action: Glider Team Prepares for 1995 WGAC in France [Aerobatics; Aerodynamics], pages 11-12

Ty White, 1995 Region 11 Championships (Crazy Creek, Middletown, CA) (Soaring in Action) [Competitions\Regional], pages 12,14-15

Joe Volmar, Gordon Hinsdale [Obituaries], page 15

Vic Saudek, Bob Blaine [Obituaries], pages 15-16

Bob Nady, Club Volunteerism, Attracting Youth, and Organization (Club & Chapter Chatter) [Affiliates, Chapters, and Clubs], page 16

Bob Wander, FIRC Schedules and Their Value to Glider Instructors (Headquarter Happenings and Buzz) [Instruction], page 16

The Badge Lady is Leaving! (SSA in Action) [Awards\Badge Requirements; Soaring Society of America\Staff], page 16

Bill Gallagher and Carla Page, IVSM-95 at Harris Hill [Vintage Aircraft], pages 17-20

Bo Zimmerman, 1995 Standard Class Nationals, Montague, CA [Competitions\National], pages 22-25

Alice G. Palmer, Look How Our Investment Has Grown [Awards\Kolstad Scholarship and Awards], pages 28-32

Will Simmons, The LAK-12 [Pilot Reports; Sailplanes\Lak-12], pages 33-35

Billy Singleton, CRM-..For Soaring?, pages 36-38

Gene Hammond, Sailplane Safety (Why I Failed The Practical Test, Confidence and Complacency, and Practice Makes Perfect), by Steve Wasilowski, Harris Hill News, and Stephen du Pont (Safety Corner) [Safety], pages 40-41

Stephen du Pont, Sailplane Safety: Practice Makes Proficiency [Affiliates, Chapters, and

Clubs\Soaring Safety Foundation], pages 40-41

Steve Wasilowski, Sailplane Safety: Why I Failed The Practical Test [Affiliates, Chapters, and Clubs\Soaring Safety Foundation], pages 40-41

George Thelen, At The End of My String (Believe Waveoffs and Use Radios) (Safety Corner) [Safety; Launching\Aerotow], pages 42-44

Arleen Coleson, Changes Effective October 1, 1995, to FAI Sporting Code, Section 3, Gliders [Awards\Badge Requirements], page 47

### **November**

Tom Tyson, Hans Obermayer in Ventus 2 on the Turf at Omarama, NZ (cover) [Cover]

Juan Batch, Why Call It Thermal Wave? (I Call It Airmass Wave) (Letter) [Techniques\Wave Flying; Techniques\Thermals and Thermaling; Meteorology], page 2

Jim O'Reiley, Great Day at Torrey Pines (Letter) [Sites], pages 2-3

Richard H. Johnson, *The Honor System Personal Best Distance Task* (Letter) [Awards\Distance Awards], pages 2-3

Jack Wyman, Restoration Project (of a Franklin PS-2) Has Good Results (Letter) [Vintage Aircraft], page 3

Tim Hanke, Correction of (New York State) Record Distance Noted (Letter) [Errata], page 3

G.M. (Mike) Crump, Another Youngster (10 Year-Old Christine Crump) Takes to the Air (Letter) [Family], pages 3-4

Scott A. Jenkins, *Praises for the Gatekeepers (Operators Like Willat)* (Letter) [*Credits/Appreciation; Handicapped Accomplishments*], page 4

Gus Ponder, Where There's a Will There's A Way (to Get Back Into The Air!) (Letter) [Instruction; Family], pages 4,6

G. Thomas Phillips, Another Young Pilot Licensed (at 16 - Curtis Phillips) (Letter) [Family; Youth], page 6

Marvin Holland, Room For The Young and The Old (Letter) [Family], page 6

K.J. Strack, The Culprit (Sunscreen on Forehead) is Identified (Letter) [Pilot Comfort; Physiology\Medical Condition], page 10

Eric Greenwell, More Comments on ASH-26E [Motorgliders\Schleicher\ASH-26E], pages 10-11

Andy Durbin, Correction of Region Nine Scores Noted [Errata], page 11

Bob Greenblatt, Says We Need to Limit Radio Usage (Letter) [Equipment\Radios], page 11

Mitsuru Marui, Needs Help on Finding Damaged Gliders (Letter) [Maintenance and Improvements; Solicitations], page 11

Terry Judge, Tow Line (Retrieve by Glider) Turmoil (Letter) [Launching Aerotow], page 11

Pedro de la Serna, Fly Like a Swift (Letter) [Birds; Techniques\Thermals and Thermaling], pages 11-12

David L. Nye, A Day (at Turf) to Remember (Letter) [Sites], page 12

Lisa Nichols, *Keeping It in The Family (Third Generation Soars as Bobby Nichols Solos at 14)* (Letter) [Family], page 12

Mike Noel, More on Spoilers (Letter) [Launching\Aerotow], page 12

James W. Swinnich, Update from the National Soaring Museum (SSA in Action) [Affiliates, Chapters, and Clubs\National Soaring Museum], pages 13-14

Jim Short, FAA Publishes NPRM 95-11 Proposing New Glider Pilot Certification Rules (SSA in Action) [Federal Aviation Administration (FAA)\Licenses], page 14

Tom Knauff, New Publicity Program (for Badges and Records) Begins (SSA in Action) [Awards\Badges and Records], page 14

Mark Huffstutler, US. Team Committee Begins Planning (SSA in Action) [Competitions\Team Competition], pages 14-15

Gene Hammond, SSA Volunteers Promote Soaring at Oshkosh (SSA in Action) [EAA], page 15

Jimmy Brown, Peter Karlsson Memorial Youth Camp (SSA in Action) [Youth], pages 16-17

Erica Scurr, 17th Annual Women Soaring Pilots Seminar (SSA in Action) [Women Soaring Pilots], pages 17-18

R.T. Allemann, *The 1995 Region 8 Soaring Championships (Ephrata)* (Soaring in Action) [Competitions\Regional], pages 19-20

Howard Banks, (1995) Region 4 North Contest Report (Fairfield, PA) (Soaring in Action) [Competitions\Regional], pages 20-21

John Boyce, Region One (1995) Soaring Championships (Springfield, VT) (Soaring in Action) [Competitions\Regional], pages 21-22

Curtis McNay, (1995) Region 10 North Championships (Hutchison) (Soaring in Action) [Competitions\Regional], pages 22-23

John Campbell, Soaring in Poland [International\Sites], page 24

European (3rd) Junior Gliding Championships (SSA in Action) [Youth], pages 23-25

Bob Wander, Downsizing the Government and the SSA Possible Role (Headquarter Happenings and Buzz) [Soaring Society of America], page 25

Bob Nady, New Mexico Wing of CAP Summer Glider Encampments (Club & Chapter Chatter) [Affiliates, Chapters, and Clubs\Civil Air Patrol], page 26

Bob Hurni, The Over 60 Miles Per Hour Crowd, 1995 1-26 Championships, Moriarty, NM [Affiliates, Chapters, and Clubs\1-26 Association; Sailplanes\Schweizer\SGS 1-26], pages 27-32

Bertha M. Ryan, How It All Began, The Story of America's First Woman Cross Country Soaring Pilot, Virginia M. Schweizer [Women Soaring Pilots], pages 33-36

Karl H. Striedieck, Flying The Batplane at the 1995 Standard Class Nationals, (Montague, CA) [Competitions\National; Sailplanes\Genesis I], pages 38-39

William C. Chilcott, Before a Crash or After A Crash? (Understanding Yourself) [Safety\Accidents/Incidents; Physiology], page 40

George Thelen, Unconnected Revisited (Safety Corner) [Safety; Preflight], pages 41-42

Arleen Coleson, 1995 FAI Rules and Procedures Available from SSA [Awards\Badge Requirements], page 48

## **December**

Sergio Jurado, Sequence of a Red-Suited Parachutist, VJ., Jumping From a Yellow Schweizer 2-33 (cover) [Cover]

David Rojko, New Converts to Soaring (Letter) [Family], page 2

Jay Darmstadter, Teacher-Student, Student-Teacher? (Letter) [Instruction], page 2

David Noyes, News on Replacing Bolts on Cobra Trailers (Letter) [Trailers], pages 2-3

Nicholas Yu, Introduced to Soaring Through the CAP (Letter) [Affiliates, Chapters, and Clubs\Civil Air Patrol], page 3

Sharon Johnson, Soaring Lesson Remembered (Let Nature Do What It Does Best) (Letter) [Instruction], pages 3-4

Peter Masak, Flight Test Results (of Scimitar 1) Positive (Letter) [Sailplanes\Scimitar 1; Aerodynamics\Flight Tests], page 4

T. Guy Spencer, (Len) Niemi Will Be Missed (Letter) [Obituaries], page 4

Walt Plankey, Thanks for the Great Memories (Instructor Retires) (Letter) [Credits/Appreciation; Seniors; Instruction\Flight Instructors], page 4

Bill Vickland, Fred Cuny, Missing and Presumed Dead (SSA in Action) [Obituaries], pages 6,8

David Habercom, *University Survey Raises World Class Stakes* (SSA in Action) [Sailplane Production/Availability; Sailplanes\World Class Glider], pages 8-9

Bernald Smith, IGC Looking for New Logo Design (SSA in Action) [International Gliding Commission (IGC)], page 9

Dave Hudnut, Report on Eastern SHA Workshop 1995 (Harris Hill, NY) (SSA in Action) [Homebuilts & Homebuilding], pages 9-11

Bret Willat, *Historic Flight(s) Made by 14-Year-Old (on 14th Birthday - Garret Willat)* (SSA in Action) [Family; Youth], pages 11-12, 14-15

Pete Williams, First Impressions of the Nimbus 4DM (SSA in Action) [Motorgliders\Schempp-Hirth\Nimbus 4DM], pages 15-16

Derek Johnson, PW-5 Over South Carolina (SSA in Action) [Sailplanes\PW-5; Sailplanes\World Class Glider], pages 16-17

Ed Byars, New Castle '95 Region 4 South (Soaring in Action) [Competitions\Regional], page 17

Jack Wyman, Region 6 Johann G. Kuhn Memorial Soaring Championships (Ionia, MI) (Soaring in Action) [Competitions\Regional], pages 17-18

Dale S. May, Jack Brown [Obituaries], page 18

Rolly Clark, Jim Day [Obituaries], page 18

Bill Batesole, Sr., M. Allen Reynolds [Obituaries], pages 18-19

Bob Nady, Birds We Share the Air With) (Club & Chapter Chatter) [Birds], page 19

Bob Wander, Soaring's Position to be Sent to FAA by SSA and SSF (Headquarter Happenings and Buzz) [Soaring Society of America], page 19

Ed Lindoo, William E "Earl" Folger [Obituaries], page 19

Sharon Smith, SSA Now on The Internet (SSA in Action) [Computers and the Internet], page 19

Paul A. Schweizer, The One Millionth Flight (by the Air Cadet League of Canada) [International\Canada; Youth], pages 23-25

Marc Arnold, A Solo Soaring Safari Over the Rockies, 3,000 NM in a Stemme S-10 Self-Launching Sailplane [Motorgliders\Stemme S10; Expeditions], pages 27-31

Dave Kinsell, A Battery Charger for the 90's [Equipment\Batteries], pages 33-34

Derek Piggott, New Thoughts on Planning Your Patterns [Techniques\Patterns and Landings], pages 35-36

Robert Lee Moore, The First Modern Motorglider [Motorgliders], pages 37-38

Franklin Carver, Soaring in The Shenandoah Valley with Carl "Red" Rohmann [Seniors], pages 39-41

George Thelen, *Taken For a Ride* (Low Weight in Front Seat, Canopy Blew Open) (Safety Corner) [Safety\Canopies; Weight and Balance; Safety\Checklists; Canopies], pages 42-44

Arleen Coleson, 1996-Change is in the Air [Awards\Badge Requirements], page 47

### 1996

# **January**

John Neel, Schempp-Hirth Ventus "OF" Piloted by Bill Bartell Over a Deep Blue Sky (cover) [Cover] Michael S. Finegan, A Proposal to Pick Up from the Past (Letter) [Soaring Society of America\Soaring Magazine\Reprints and Back Issues], page 2

Richard Kaleta, A Great Idea for More Exposure (Letter) [Displays], page 2

Vytas Peseckas, More on the LAK 12 (Letter) [Sailplanes\Lak-12], page 2

W. Stewart Tittle, Thanks Extended to Soaring Friends (Letter) [Credits/Appreciation; Safety\Accidents/Incidents], page 2

Gerald Downs, Jeremy's Big Day (Letter) [Youth], page 3

Jack Gibbert, Past SSA State Governor Takes a Wife (Letter) [Promotions; Aerospace Education; Soaring Society of America\Governors], page 4

Sebastian Huhmann, German Glider Pilot Wants Help (Letter) [Solicitations], page 4

Walter Setz, Rex Spurs Memories (Letter) [History], page 4

Gunter Voltz, Russia AC-4 Now Has Trailer (Letter) [Sailplanes\Russia AC-4], page 6

Tom Elmore, The Sultan's Tent (Letter) [Crewing], page 6

Board Minutes Available (SSA in Action) [Soaring Society of America\Officers and Board of Directors], page 9

GNSS (GPS) Flight Recorders Not Yet Approved by FAI (SSA in Action) [Awards\Badges\Flights; Expeditions; Instruments], page 9

Hammond Elected SSA President for 1996 (SSA in Action) [Soaring Society of America\Officers and Board of Directors], page 9

SSA Board Elects Officers and Directors-at-Large for 1996 (SSA in Action) [Soaring Society of America\Officers and Board of Directors], page 9

Gren Seibels, Or What's Heaven For? by William B. Dehon (SSA in Action) [Literature\Book Reviews], page 10

SSA Now on Internet (SSA in Action) [Communications], page 10

SSA Now on the Internet (SSA in Action) [Computers and the Internet], page 10

Sixth World Glider Aerobatic Championship (SSA in Action) [Aerobatics], page 10

Cindy Brickner, Region 12 1995 Contest (Soaring in Action) [Competitions\Regional], page 11

Tom Knauff, 1,000th Bronze Badge Issued (SSA in Action) [Awards\ABC Training Program], page 11

Gary Carter, James Whitten Neffinger [Obituaries], page 13

Larry Sanderson, Announcing the 1996 International Aviation Art Contest (SSA in Action) [Youth; Art], page 13

Richard Ball and Lou Feierabend, Gale Abels [Obituaries], page 13

Bob Nady, An Accident at Our Club (Club & Chapter Chatter) [Safety\Accidents/Incidents; Affiliates, Chapters, and Clubs], page 14

Rand Baldwin, News from the 1996 National Convention [Conventions], page 15

Gene Hammond, A Letter from the President [Soaring Society of America\President], page 17

Gene Hammond, Building Soaring, Part 1 [Growth], pages 19-21

Jack Olson, Sometimes It's Worth the Effort, Turtle Mountains Soaring Safari [Expeditions], pages 23-25

Derek Johnson, Re-Inventing the Wheel [Launching\Ground Launch], pages 27-29

Justin Wills, Requeim for Jim Day [Obituaries; Esprit de Corps], pages 31-32

Dean Carswell, Soaring in Britain [International\Sites], pages 33-

Jason Gregg, Racing at the CFHN (in St Auban, France) [International\Sites], pages 37-39

Herb Greenburg, 17,400 Ft, 80 Knots, Rotor Over Minden at Thirteen-Five [Techniques\Wave Flying], pages 40-41

George Thelen, Asking the Wrong Question (Safety Corner), pages 43-44

George Thelen, Training for the Unexpected Spin in Your Future, by Beverly Howard (Soaring Safety Foundation, Safety Corner) [Affiliates, Chapters, and Clubs\Soaring Safety Foundation; Safety], page 45

Gene Hammond, Sailplane Safety [Stalls/Spins; Affiliates, Chapters, and Clubs\Soaring Safety Foundation], pages 45-46

George Thelen, *A Stall-Spin Bedtime Story, by William Bentley* (Affiliates, Chapters, and Clubs, Affiliates, Chapters, and Clubs, Soaring Safety Foundation|Safety Corner) [Safety], page 46

Beverly Howard, Training for the Unexpected Spin in Your Future, (SSF section), page 999

James M. Jenista, Attribution Given To J. Livingston Seagull (Letter) [Credits/Appreciation], page 999

### **February**

A Winner: Caesar Creek (Region 6 1995 Contest) (SSA in Action) [Competitions\Non Sanctioned], page g

Derek Piggott, *Using the Reichmann Method* (Letter) [*Techniques\Thermals and Thermaling*], page 2 Emil Kissel, *Garden Barometer* (Letter) [*Youth; Instruments*], page 2

Oran W. Nicks, *American-Made World Class Gliders* (Letter) [Sailplanes\World Class Glider], page 2 Robert Clipper, A Challenge to Open Up to Others (Letter) [Hang Gliding], page 2

Tim Hanke, Attention Soaring Contributors (Letter) [Errata], page 2

Clyde Chamberlin, Aunt Lucile - My First Passenger (Letter) [Seniors], page 3

Tim Mara, ELT's for Sailplanes (Letter) [Instruments], page 3

Uwe Kleinhempel, An Invitation to Visit Golden, BC (Letter) [International\Sites], page 3

Don Kawal, Call for (future) SSA Convention Sponsors (SSA in Action) [Conventions], page 4

Frank Reid, SSA Governors Appointed in Region V (SSA in Action) [Soaring Society of America\Governors], page 4

"Damn the Torpedoes - Full Speed Ahead," (at Buzova Gliderport, Ukraine) by Oleksa-Myron Bilaniuk (SSA in Action) [International\Sites], page 8

Elsie F. Johnson, Out of the Weather (SSA in Action) [Hangars and Accessories], page 10

Val Brain, Glider Pilot's Manual by Ken Stewart (SSA in Action) [Literature\Book Reviews], page 10 Bob Wander, (Headquarter Happenings and Buzz, SSA in Action) [Soaring Society of America\Staff],

Bob Wander, (Headquarter Happenings and Buzz, SSA in Action) [Soaring Society of America\Staff], page 11

Mark Acker, Dr. Gene Bert Walker [Obituaries], page 11

Paul A. Schweizer, Wally Setz [Obituaries], page 11

Bob Nady, Espirit de Corps (Club & Chapter Chatter) [Affiliates, Chapters, and Clubs], page 12

Gene Hammond, President's Report [Soaring Society of America\President], page 12

Richard H. Johnson, A Flight Test Evaluation of the L-23 Blanik [Aerodynamics\Flight Tests; Sailplanes\Blanik], pages 13-18

Bruce R. Beddow, An Instructor's View of the L-23 Blanik [Sailplanes\Blanik], pages 16-17

Jim Short, SSA Drafts Principles and Alternatives Responding to FAA Pilot Certification Proposals [Pilot Certification], pages 19-20

Gene Hammond, Building Soaring, Part 2 [Growth; Promotions; Aerospace Education], pages 21-23

Paddy S. Welles, Crewing, Crew: The Hands That Lift the Wings, Scrub the Bugs, Drive the Trailers, and More [Crewing], pages 25-29

Terry Frazier, First in Flight [Aerospace Education], pages 31-34

George B. Moffat, Introduction to Justin Wills: World Championship Competition: a Moral Dilemma [International], pages 35-37

Justin Wills, World Championship Competition: a Moral Dilemma [International], pages 35-37

Thomas Knauff, When Are You At Most Risk? - Premature Terminations of the Tow [Launching\Aerotow], page 39

George Thelen, Good? or Lucky.. (Safety Corner) [Maintenance and Improvements; Safety], page 43

Billy Singleton, Certificates of Appreciation (SSA in Action) [Federal Aviation Administration (FAA)], page 999

Val Brain, BGA Instructor's Manual by the BGA (SSA in Action) [Literature\Book Reviews], page 999

March

D.J. Phillips, Lasham Not Mentioned (Letter) [International\Sites], page 2

Julian M. West, *Thermals or Wave?* (Letter) [*Techniques\Wave Flying; Techniques\Thermals and Thermaling*], page 2

Lew Neyland, We'll Miss You, Eric and Arleen (Letter) [Soaring Society of America\Staff], page 2

Pat McGrath, Jr., Enlighten Me, Please (Letter) [Solicitations], page 2

Emil Kissel, GPS for the Common Pilot (Letter) [Instruments], page 4

George Taylor, Is the ASW-20 the Messerschmitt of Sailplanes? (Letter) [Commentary], page 4

Jerry Owens, New Pilot Takes to the Skies (Letter) [Youth], page 4

Les Sebald, Grob 103 Rudder Pedals (Letter) [Maintenance and Improvements], page 4

Dean Carswell, New Phone Numbers (for Britain) (Letter) [International\Sites], page 6

Dean Forney, Scholarship Recipient Solos (Letter) [Youth; Soaring Society of America\Cadet Youth Flight Scholarship], page 6

Guy E. Acheson, GPS Mapping Programs? (Letter) [Instruments], page 6

Red (Farren H.) Smith, More Memories Recalled (Letter) [History], page 6

Bernald Smith, Hawaii Beckons (SSA in Action) [Sites], page 9

Carl Burson, Symons Wave Memorial Fees to Increase (SSA in Action) [Awards\Symons Wave Memorial], page 9

Ed Neffinger, News from Apeks on World Class (Glider) (SSA in Action) [Sailplanes\World Class Glider], page 9

James W. Swinnich, *National Soaring Museum Holds Youth Encampment* (SSA in Action) [Affiliates, Chapters, and Clubs\National Soaring Museum; Youth], page 9

Nancy Graham, New Badge and Record Secretary Appointed (SSA in Action) [Soaring Society of America\Staff], page 9

Jack Lambie, Bruce Carmichael's Personal Aircraft Drag Reduction (SSA in Action) [Literature\Book Reviews], page 12

Richard Kellerman, 1995 Region II Spring Seminar (SSA in Action) [Competitions\Non Sanctioned; Seminars; Instruction\Ground Schools], page 14

Gene Hammond, President's Page [Soaring Society of America\President], page 15

Bob Nady, Club & Chapter Chatter (Soaring Magazine Issues After Life) [Affiliates, Chapters, and Clubs; Promotions; Aerospace Education], page 16

Bob Wander, (SSA in Action, Headquarter Happenings and Buzz) [Soaring Society of America\Staff], page 16

Alex Strojnik [Obituaries], page 16

Jim Short, Perspective (SSA in Action) [Airspace], page 17

Kolstad Scholarship Winners Announced (SSA in Action) [Awards\Kolstad Scholarship and Awards], page 17

Gene Hammond, Building Soaring, Part 3 [Growth], pages 19-20

Tom Knauff, When Are You At Most Risk? - Premature Terminations of the Tow, second in a series

[Safety\Launching; Launching\Aerotow], pages 21-22

Peter Alexander and Richard Walters, *Minden 95: 62nd Open Class Nationals and 8th Auxiliary Powered Nationals* [Competitions\National], pages 23-,2260,10327

Charlie Spratt, What Soaring Has Meant to Me [Literature\Inspiration], pages 31-32

Paul Remde, 1995 Sports Class Nationals [Competitions\National], pages 33-38

Fred Ebner, My 1000 Kilometer Flight!!! [Awards\1000 Kilometer Flights], page 39

Karl and Iris Striedieck, To.. Or Not To...?, No Question About It [Pilot Comfort], pages 41-42

Peter C. King, Bulbs, Batteries and Letting Go [Equipment\Batteries; Cockpit; Pilot Comfort], page 43

George Thelen, Oh, No! Wrong Again? (Safety Corner) [Safety\Accidents/Incidents; Safety\Stalls/Spins], page 44

Duane Eisenbeiss, Open Letter to SSA Board of Directors (Letter) [Instruments], page 999

Larry Sanderson, Hannes Linke and Friends assembling his LS-6 at Flying M Ranch in Nevada as Viewed from Inside the Trailer [Cover], page 999

Lorry Charchian, New SSA Governor Appointed (SSA in Action) [Soaring Society of America\Governors], page 999

Mike Finegan, The Ed Finegan Memorial Sportsmanship Trophy [Awards], page 999

Billy Singleton, Instructor's Notes [Instruction\Flight Instructors], pages 40,9004

### **April**

Robert Gaines, Bowlus Baby Albatross Piloted by Owner and Pilot Jim Stoia on December 28, 1995 Over Manning, SC (cover) [Cover]

Dave Mercer, Invitation to Canadian Nationals (at Red Deer, Alberta) (Letter) [International\Sites], page 2

George Moffat, Change of Numbers (Letter) [Errata], page 2

Gunter Voltz, A Family Affair (Letter) [Youth; Family], page 2

Julian Flack, More on Cobra Trailer Bolts (Letter) [Equipment\Trailers], page 2

Marcia Crowell, Magazines Available (Letter) [Soaring Society of America\Soaring Magazine\Reprints and Back Issues], page 2

Fernando Rueda, A Note on History (Letter) [History], page 3

Larry Manofsky, Wave Possibilities? (Letter) [Techniques\Wave Flying], page 3

R.B. Richards, Word for DG Owners (Letter) [Sailplanes\Glaser-Dirks; Maintenance and Improvements], page 3

Richard McIver, Take the Time You Need (Letter) [Culture and Tradition], page 3

Donald Anders Talleur, *The Pilot's Outline Guide to Basic Aerodynamics by William M. Jones* (SSA in Action) [*Literature*\Book Reviews], page 4

John Campbell, Youth Scholarships Available (including Bultman Award) (SSA in Action) [Awards; Soaring Society of America\Cadet Youth Flight Scholarship; Awards\Kolstad Scholarship and Awards], page 4

John H. Campbell, SSA at (National Congress on Aviation and Space Education NCASE (SSA in Action) [Education], page 4

Erik Mann, 1995 Region II Competition Pilots' Seminar (SSA in Action) [Seminars; Instruction\Ground Schools], page 6

Virtual (1996) Convention (SSA in Action) [Conventions], page 6

Bob Nady, Winter Ground Schools (Club & Chapter Chatter) [Affiliates, Chapters, and Clubs; Instruction\Ground Schools], page 9

Gene Hammond, President's Page [Soaring Society of America\President], page 10

Bob Wander, SSA GrowBook (Headquarter Happenings and Buzz) [Growth; Soaring Society of America], page 12

Doug Jacobs, Soaring the Rising Sun [International\Sites], pages 14-20

Gene Hammond, Building Soaring, Part 4 [Growth; Affiliates, Chapters, and Clubs\Civil Air Patrol], pages 21-22

Thomas Knauff, Preventing Stall Accidents, Part Three: Low Altitude Turns [Safety\Stalls/Spins; Safety\Accidents/Incidents], pages 23-25

David M. Ellis, Development of a Secure GPS Flight Recorder for Gliding [Instruments\GPS],

pages 27-30

Richard H. Johnson, A Flight Test Evaluation of the Ventus 2b, Part 1 [Sailplanes\Schempp-Hirth\Ventus; Aerodynamics\Flight Tests], pages 31-36

Peter C. King, Soaring..the Sport of Kings, Or At Least Very Rich People? [Commentary], pages 37-38 Allen Silver, All Parachutes are not Created Equal [Parachutes], pages 39-40

George Thelen, Life in the Fastlane (Safety Corner) [Equipment\Trailers], page 43

Gene Hammond, Sailplane Safety [Safety\Accidents/Incidents; Affiliates, Chapters, and Clubs\Soaring Safety Foundation], pages 49-50

### May

Jeff Richards, ASW-25 "Hotel-Wilco" Piloted by Heinz Weissenbuehler Soaring Over Harris Hill and the Region 3 Competition Start Grid (cover) [Cover]

Douglas Tomlinson, *Needs Help with (Towplane Tow Hutch) Mod* (Letter) [Launching\Towplanes; Solicitations], page 2

John W. Glendening, *Information from Net* (Letter) [*Meteorology; Computers and the Internet*], page 2 Marvin Willis, *Liked Charlie's Article* (Letter) [*Inspiration*], page 2

Wally Kahn, Lasham Left Out (Letter) [International\Sites], page 2

George Nuse, Badge and Record Camp (Letter) [Expeditions], page 3

Jan Scott, Tow Plane Statistics (Letter) [Launching\Towplanes], page 3

Justin Wills, Comment from Wills (Letter) [International], page 3

Gunter Voltz, Russia and Trailer Ready for Huntsville (Letter) [Sailplanes\Russia AC-4], page 4

Richard Franks, What About Ultralights? (Letter) [Ultralights], page 4

Wayne Ginter, Soaring and Mountaineering (Letter) [Inspiration], page 4

Karl Striedieck, Contest Rule Changes Are Approved (SSA in Action) [Competitions\Rules], page 6

Nancy Graham, SSA Needs Volunteers for Oshkosh (SSA in Action) [Solicitations], page 6

Raul Blacksten, Franklin Wins Gross Award(,) Baby (by) Stoia Wins Moswey Again! (SSA in Action) [Awards; Affiliates, Chapters, and Clubs\Vintage Sailplane Association Awards], page 6

Ron Clarke, The 1996 Reader Survey- What You, Our Readers, Told Us (SSA in Action) [Publications], page 6

Sharon Smith, New SSA Governor of Louisiana Appointed (SSA in Action) [Soaring Society of America\Governors], page 6

Jim D. Burch, Glider Towing Accident Prevention (SSA in Action) [Safety\Accidents/Incidents; Launching\Towplanes; Launching\Aerotow], page 7

Jim Dobberfuhl, *Blanik Meet Announced* (SSA in Action) [Sailplanes\Blanik; Competitions\Non Sanctioned], page 8

Ed Neffinger, Apeks and Xian Form Partnership (SSA in Action) [Sailplanes\World Class Glider], page 9

Judy Lincoln, Distance Award Winners Announced (for 1995) (SSA in Action) [Awards\Distance Awards], page 9

Gren Seibels, Cloud Dancing by Robert F. Whelan (SSA in Action) [Literature\Book Reviews], page 10

Peter Selinger, Std Libelle Winglets Now Available (SSA in Action) [Maintenance and Improvements], page 10

Bob Nady, Local Activities (Club & Chapter Chatter) [Affiliates, Chapters, and Clubs; Conventions], page 11

Gene Hammond, Soaring Society of America, Inc, Annual Report for Fiscal Year Ended October 31, 1995 [Soaring Society of America\Annual Report], pages 15-18

Chuck O'Mahony, Four. Three... Two ... One... Huntsville Was a Blast! [Conventions], pages 19-24

Thomas Knauff, Avoiding Low Altitude Stall Spin Accidents [Safety\Accidents/Incidents], pages 25-26

A. Friess and B.E. Thompson, RP3, Rensselaer's Third Sailplane; The Static Tests, Progress Report #2 [Static Tests], pages 27-29

Juan Pablo Garcia, A Self-Contained Dolly: How to Dispense with a Ramp [Hangars and Accessories], pages 33-34

Margaret M. Rappaport, Fit to Fly [Physiology], pages 36-39

Emily Vandal, A Summer's Surprise Afternoon Adventure [Inspiration], page 41

George Thelen, Wondrous Stories (Safety Corner) [Conventions], pages 45-46

Edgar D. Seymour - Joins Soaring Hall of Fame (SSA in Action) [Awards\Hall of Fame], page 999

### June

Bill Jack Rogers, Durango Soaring Club's Blanik on Aerotow Behind Pawnee in Front of the Mountains of Colorado (cover) [Sailplanes\Blanik; Cover]

David M. Cahoon, Launch Crew Checklist (Letter) [Safety\Checklists\Crewing], page 2

Grant Davis, Careful with Surfing (Letter) [Sites; Airspace], page 2

K.J. Strack, Keeping Hand in Lap (Letter) [Cockpit], page 2

Konrad Nierich, Low Cost Glider Tow (Letter) [Launching\Ground Launch], page 2

Peter King, And a Response (to 'Keeping Hand in Lap') (Letter) [Cockpit], page 2

Carl Rohmann, A Reply (to 'Enlighten Me, Please') (Letter) [Commentary], page 3

Fran Koerner, New Trophy Announced (SSA in Action) [Awards], page 5

Pat Costello, Glider Insurance (SSA in Action) [Insurance], page 5

Ron Clarke, Changes Ahead (SSA in Action) [Publications; Obituaries], page 5

Sweepstakes Winner Announced (SSA in Action) [Competitions\US Team], page 5

Judy Lincoln, New Procedures for Barringer Trophy and Hilton Cup Claims (SSA in Action) [Awards], page 6

Bill Ray, Accipiter Aviation, Inc. Changes Ownership (SSA in Action) [Affiliates, Chapters, and Clubs\Business Members], page 8

John "Corky" Gill, The Tradition Continues (SSA in Action) [Culture and Tradition], page 8

Jaye Fish, NSM - 100 Years of Lilienthal and Chanute (SSA in Action) [Affiliates, Chapters, and Clubs\National Soaring Museum], page 10

Patrick L. McLaughlin, New Product XCP-180 Oxygen System (SSA in Action) [Oxygen], page 10

Tom Knauff, New Product EW View for Windows (SSA in Action) [Computers and the Internet], page 10

Dick Johnson, 1996 Marfa Thermal and Wave Camp Report (SSA in Action) [Expeditions], page 11 Steven A. Sutnick, New South Florida Glider Operation (SSA in Action) [Sites], page 11

Yasuhiro Yama, 13th Japanese National Gliding Championships (SSA in Action) [Competitions\International], page 11

Bernald Smith, Hawaii Beckons (for Barnaby Lecture) (SSA in Action) [Affiliates, Chapters, and Clubs\National Soaring Museum], page 12

Jim Short, FCC Proposes Dropping Aircraft Radio Station Licenses (SSA in Action) [Federal Communications Commission (FCC)], page 12

Bob Nady, Club & Chapter Chatter (CAP MOU with SSA) [Affiliates, Chapters, and Clubs\Civil Air Patrol], page 14

Richard H. Johnson, A Flight Test Evaluation of the Ventus 2b, Part 2 [Sailplanes\Schempp-Hirth\Ventus; Aerodynamics\Flight Tests], pages 16-22

Thomas Knauff, Preventing Stall Accidents, Part Five [Safety\Accidents/Incidents], pages 24-25

John Good, The Sixth Annual Seniors Soaring Championships, pages 26-28

Good, John: The Sixth Annual Seniors Soaring Championships (Soaring in Action) [Competitions\Regional], pages 26-28

Jim Payne, Claim Pending for World's Fastest Glider (100KM) Record: 235KPH! [Techniques\Wave Flying], pages 30-32

B.B. Brown, A Quick Look at Flying the PW-5 [Sailplanes\World Class Glider], pages 34-35

Wes Lineberry, The Day I Landed "My Ding-A-Ling" near the Astrodome [Cross Country Soaring], pages 36-37

Jack Wyman, The Franklin PS-2 Makes IVSM '95 with Minutes to Spare [Vintage Aircraft], pages 38-40

George Thelen, Safe Glider Design (Safety Corner) [Commentary], pages 43-44

#### July

Gennaro W. Avolio, *Has Other Comments (regarding Knauff articles)*, (Letter) [Techniques\Patterns and Landings], page 2

Lew Neyland, 1-26 Roll of Honor (Inductee) (Letter) [Awards\1-26; Sailplanes\Schweizer\SGS 1-26], page 2

Vic Saudek, Where are We Headed? (Letter) [Culture and Tradition], page 2

Bob Davis, Clinic Well Attended (Letter) [Instruction\Flight Instructors], page 3

R.W. Long, Birds and Thermals (Letter) [Birds], page 3

William M. Jones, *Pre-Landing Box: Concept for Traffic Patterns* (Letter) [*Patterns and Landings*], page 3

Hartley L. Falbaum, More on Topic of 'To.. Or Not To....,' (Letter) [Pilot Comfort], page 6

John McCoy, More on Cylinder Failures (Letter) [Launching\Towplanes], page 6

John H. Campbell, Clarification on Youth Winners (Letter) [Affiliates, Chapters, and Clubs\Collegiate Soaring Association; Youth], page 8

Svend Jensen and Fritz Gasuser, Remember Old Guys Too (Letter) [Seniors], page 8

Janell Sullivan, Lincoln Award Call for Entries (SSA in Action) [Affiliates, Chapters, and Clubs\National Soaring Museum; Publications], page 10

Larry Sanderson, SSF Looking for a Pro (SSA in Action) [Soaring Society of America; Affiliates, Chapters, and Clubs\Soaring Safety Foundation], page 10

Sharon Smith, Texas Governor Appointed (SSA in Action) [Soaring Society of America\Governors], page 10

Carla Page, Gross/Seymour Inducted in(to) Hall of Fame (SSA in Action) [Awards\Hall of Fame], pages 11-12

Elemer Katinszky and John Serafin, Edward Makula [Obituaries], page 15

Paul A. Schweizer, William E. "Tony" Doherty, Jr. [Obituaries], page 15

Mike Jensen, Ted Bahnson [Obituaries], page 16

Bob Nady, Ground School, Auto Tows, Feature Article, Reciprocating Memberships (Club & Chapter Chatter) [Promotions; Aerospace Education; Affiliates, Chapters, and Clubs; Instruction\Ground Schools], page 17

Simine Short, Men Fly in Midair, Octave Chanute's Experiments with Gliding Flight Summer 1896 - Miller Beach, Indiana [History; Sites\Gary, Indiana; Peopletave Chanute; Affiliates, Chapters, and Clubs\National Soaring Museum\Landmark], pages 18-22

Richard H. Johnson, A Flight Test Evaluation of the LAK-12 20.4 Meter Sailplane [Aerodynamics\Flight Tests; Sailplanes\Lak-12], pages 24-29

Basil J.F. Mott, Forced Landing [Cross Country Soaring], pages 30-31

Jane Taylor-Barrett, Soaring is Life [Inspiration], page 33

Jim Payne, Gordon Boettger, and Frank Roden, *The 1995 SSA Distance Awards: Air Force Beats Navy and Army [Awards\Distance Awards*], pages 35-38

Frank Roden, Breaking Records. The Bronze Medalist [Awards\Distance Awards], page 38

Billy Singleton, Sailplane Safety [Instruction\Flight Instructors; Safety\Flight Reviews; Safety\Accidents/Incidents; Affiliates, Chapters, and Clubs\Soaring Safety Foundation], pages 39-41

George Thelen, Sergio on Spins (Safety Corner) [Safety\Stalls/Spins], pages 44-46

Brian Lalor, Region 3 (1995) Contest Report (Soaring in Action) [Competitions\Regional], page 999

Sharon Smith, So You Want to be a Cyberpilot (SSA in Action) [Computers and the Internet], page 999

Vince Miller, Mt Shasta "Through the Canopy" as Viewed by the Pilot from a Well-Instrumented Cobra 15 [Cover], page 999

# **August**

Charles H. Davis, II, *History Worth Seeing* (Letter) [Museums], page 2

Fred Thompson, Free Rides (Letter) [Museums; Youth], page 2

Jack Wyman, Franklin Glider History (Letter) [Solicitations; History], page 2

Pedro de la Serna, Journey in the Andes (Letter) [International], page 2

James F. Powers, Easter Sunday (Letter) [Birds], page 3

Jim Payne, Author Responds (to Wants More Detail) (Letter) [Techniques\Wave Flying], page 3

Tony Burton, Wants More Detail (Letter) [Techniques\Wave Flying], page 3

Craig Hilling, Congratulations, Justin! (Letter) [Youth], page 4

F.S. Kalinowski, What a Sight (Letter) [Meteorology\Glories], page 4

Robert Vanderbei, Questions Projections (Letter) [Launching\Ground Launch; Errata], page 4

Ron Martelet, Let Me Help (Letter) [Family; Crewing], page 4

Larry Knauer, Blue Bayou Benefit (SSA in Action) [Affiliates, Chapters, and Clubs; Sailplanes\Lak-12], page 6

Mark Kennedy, Changes Noted for Contest Reports (SSA in Action) [Competitions; Publications], page 6

Joining Forces (AirScapes & Soaring Centre) (SSA in Action) [Sites], page 6

Oshkosh '96 (shows 'Learning to Soar: an Introduction to Sailplane Flight by Roger Gomoll) (SSA in Action) [Aerobatics; EAA], page 6

Janell Sullivan, Lincoln Award Call for Entries (SSA in Action) [Affiliates, Chapters, and Clubs\National Soaring Museum], page 7

James W. Swinnich, Get to Know the NSM (SSA in Action) [Affiliates, Chapters, and Clubs\National Soaring Museum], page 9

Jim Short, Ground Launches by Derek Piggott (SSA in Action) [Literature\Book Reviews; Launching\Ground Launch], page 9

Knauff Wins Award, by FAA, Flight Standards (SSA in Action) [Instruction\Flight Instructors], page 9 World Air Games (SSA in Action) [Expeditions; Sailplanes\World Class Glider], page 9

C. See, Pawnee PA-25 Installation (SSA in Action) [Launching\Towplanes], page 10

Peter Kelly, (Doc Mays) Memorial Contest (at Vacaville, CA) (SSA in Action) [Competitions\Non Sanctioned], page 10

Candidates for SSA Board of Directors (SSA in Action) [Soaring Society of America\Officers and Board of Directors], page 11

Bob Nady, Community Aviation Day Participation, Sponsoring Safety Seminars (Club & Chapter Chatter) [Affiliates, Chapters, and Clubs; Promotions; Aerospace Education], page 15

Chuck O'Mahony, Nice Guys Finish Last, The 1996 15-Meter National Championships [Competitions\National], pages 17-21

Dennis Brown, Wake Rake Testing of Mosquito N7LY [Sailplanes\Mosquito; Aerodynamics\Flight Tests], pages 22-25

David Cahoon, Desert Soaring Safari (at Moriarty, NM) [Sites\Moriarty, NM], pages 26-30

Billy J. Singleton, Low Altitude Releases [Safety\Launching\Aerotows; Patterns and Landings], pages 32-34

Richard H. Johnson, *The Evolution of US. National Soaring Contests, 1995 Barnaby Lecture* [Competitions\National], pages 36-40

George Thelen, *Head in The Clouds* (Safety Corner) [*Instruments; Safety; Techniques*\Cloud Flying], pages 42-44

Bob Wander, The Art of Thermaling Made Easy (SSA in Action) [Literature\Book Reviews], page 999 Jim Short, "Ground Launches" by Derek Piggott (SSA in Action) [Launching\Ground Launch; Literature\Book Reviews], page 999

John Stahr, Airbrush Rendering of a Wilhelm Dirks DG-400 Between the Clouds, owned by Steven B. Wood [Sailplanes\Glaser-Dirks; Cover; Art], page 999

### September

Steve Hines, Collage of the Trailers and Tow Vehicles, Launching, Finishing, and Landing Sailplanes at Hobbs 1996 Championships [Cover], cover

Fernando D'Anna, A year Here for a Year There (Cordoba, Argentina) (Letter) [Solicitations], page 2 Hartley Falbaum, Landout Checklist (Letter) [Safety\Checklists], page 2

Len Gelfand, Appreciates Safety Idea (Letter) [Safety\Commentary], page 2

Jeffrey W. Wohmart, Boyhood Dream Accomplished (Letter) [Family], page 3

Ralph Jones, The Moving Wing Tip [Stalls/Spins], page 3

Aero-Union Ltd, PZL Kits in United States (SSA in Action) [Sailplanes\SZD 51-1 Junior], page 4

Gren Seibels, Attention All Cockpit Potatoes (SSA in Action), page 4

James W. Swinnich, NSM Announces Plans (SSA in Action) [Affiliates, Chapters, and Clubs; National Soaring Museum], page 4

Ron Clarke, Classified Ad Rates to Change (SSA in Action) [Publications], page 4

Sporting Code Changes Effective October 1, 1996 (SSA in Action) [Awards\Badges\Rules], page 4

Jim Kellett, New Venture with CAP (SSA in Action) [Instruction\Flight Instructors; Affiliates,

Chapters, and Clubs\Civil Air Patrol], page 6

Pete Williams, New Management for Glaser-Dirks Announced (SSA in Action) [Affiliates, Chapters, and Clubs\Business Members; Sailplanes\Glaser-Dirks\DG-800], page 6

SSA Member (Ludwig (Lou) Wipotnik) Receives Award (SSA in Action) [Awards], page 6

Harold Kosola, More on Pawnee (STC) (SSA in Action) [Launching\Towplanes], page 7

Stemme USA, Soaring Adventure (to the Himalayas) (SSA in Action) [Expeditions; Solicitations], page 7

Airscapes, IncCompletes CAP Glider Encampment (SSA in Action) [Affiliates, Chapters, and Clubs\Civil Air Patrol], page 9

Region 6 South (1996) Contest (Soaring in Action) [Competitions\Regional], page 9

Nancy Graham, Growth in Soaring (SSA in Action) [Growth], page 10

Bob Nady, *History, Badge Camp, & Youth* (Club & Chapter Chatter) [Affiliates, Chapters, and Clubs; History], page 11

Bob Wander, SSA, San Juan Capistrano, and You (SSA in Action) [Conventions], page 12

Bob Dittert, Great Championship Soaring for Six Days Turns to Farmers' Delight, Hobbs 1996 National Championship (Sports, Open, & MotorGlider) [Competitions\National], pages 13-17

Dean Carswell, Sailplane Type Conversions - How to Transition to a New Model [Instruction\Transition], pages 18-23

Francis S. Kalinowski, Remote-Camera Boom Device [Photography], pages 26-28

Bob Davis, Crosswind Approaches and Landings [Patterns and Landings], pages 30-34

Mark Montague, How to Design a Glide Calculator [Instruction], page 36

Mark Montague, Getting Ready for Your First Two Cross-Countries [Cross Country Soaring], pages 35-38

George Thelen, Are You Airworthy? (Safety Corner) [Safety; Launching\Release Mechanisms; Airspace; Oxygen], pages 40-43

Dean Carswell, Texas Soaring Association Glider Checklist(s) [Safety\Checklists], page 999

#### October

Ronald L. Poe, Schweizer 2-33 at Sunset over Willamette Valley in Oregon Piloted by Bruce Pearson (cover) [Sailplanes\Schweizer\SGS 2-33; Cover]

Larry Sanderson, Unintended Victims [Youth; Safety\Accidents/Incidents], page 2

Dale Masters, Enjoyed July Issue (Letter) [Patterns and Landings], page 3

Ernest K. Meyer, Thanks Turf Soaring School (Letter) [Affiliates, Chapters, and Clubs\Civil Air Patrol], page 3

SSA Staff, How to Contact the SSA [Computers and the Internet], page 3

Tibor "Ted" Branczeisz, Emergency Training (for Leaving Clouds) (Letter) [Instruction; Techniques\Cloud Flying], page 3

Tim Hanke, Results Corrected [Errata], page 3

Andy Holoubek, The Crystal Squadron (Letter) [Sites], page 4

Gren Seibels, Attention All Cockpit Potatoes (SSA in Action), page 6

Civil Air Patrol Soars in Hobbs (SSA in Action) [Affiliates, Chapters, and Clubs\National Soaring Museum; Affiliates, Chapters, and Clubs\Civil Air Patrol], page 6

National Air and Space Museum "Explainers" Help Visitors Investigate "How Things Fly" (SSA in Action) [Aerospace Education], page 7

44th Ukranian Gliding Chapmionships (SSA in Action) [Competitions\International], page 9

Bob Wander, [Soaring Society of America\Publications], page 10

Karl Winterscheid, Fritz Seger [Obituaries], page 10

Knut Kjenslie, Senior Championship Contest Correction (Soaring in Action) [Errata; Competitions\Regional], page 10

1996 Region Four North Contest Report (Soaring in Action) [Competitions\Regional], page 10

Fred Voltz, Arthur R. Shanley [Obituaries], page 11

Erica Scurr, Young Pilots Featured at the Women Soaring Pilots Seminar (SSA in Action) [Youth; WSPA], pages 11-15

Sebastion Huhmann, Six Weeks Soaring in the Land of Opportunities, Impressions of an 18 year old German Glider Pilot (SSA in Action) [Solicitations; Youth], page 15

Armand Mendeiros, The Other Perspective (SSA in Action) [Youth], page 16

World Class Soaring Association (SSA in Action) [Affiliates, Chapters, and Clubs\World Class Soaring Association], page 16

Lincoln Award Announced (SSA in Action) [Awards\Lincoln; Affiliates, Chapters, and Clubs\National Soaring Museum], page 17

Sporty's Announces Scholarship Program (SSA in Action) [Youth], page 17

Bob Nady, Expeditions at Home and Away (Club & Chapter Chatter) [Expeditions; Affiliates, Chapters, and Clubs], page 19

Second Annual Peter Karlson Memorial Youth Camp (SSA in Action) [Youth], pages 18-20

Richard Eppler, Hermann Nagele [Obituaries], page 20

SSA Opposes Proposed Flight Restrictions Over Rocky Mountain National Park (SSA in Action) [Airspace], page 20

Jim Short, FCC Tentatively Removes Radio Licensing Requirement (SSA in Action) [Federal Communications Commission (FCC)], page 21

John Chapman, 1996 US. Standard Class Nationals July 2-11, 1996 (at) Moriarty, NM [Competitions\National], pages 23-27

Wade H. Nelson, Colditz Castle Flight to Freedom [History], pages 29-31

Arne Wangsholm, *How to Get More and Younger People into Soaring? - An Norwegian Point of View* [Youth], pages 33-34

Pat J. McGrath, Jr., Soaring on Memory [Expeditions], pages 35-36

Carla Page, Recognizing the Pioneers [Affiliates, Chapters, and Clubs\National Soaring Museum; History], pages 37-38

Dan Edwards, Rope Breaks Revisited! [Safety], page 39

Billy Singleton, Sailplane Safety [Affiliates, Chapters, and Clubs\Soaring Safety Foundation; Instruction\Flight Instructors; Launching\Aerotow; Safety\Accidents/Incidents], pages 39-41

George Thelen, In the Hot Seat (Lightning Strike) (George Thelen) [Safety], pages 46-48

Major General (George B. Harrison) Visits Hobbs (SSA in Action) [Affiliates, Chapters, and Clubs\Civil Air Patrol], page 999

NASA Astronaut Taking Sixth Journey Into Space (SSA in Action) [People\Astronauts], page 999

#### **November**

Larry Sanderson, Good-bye Mr(Tony) Broderick [People\Tony Broderick], page 2

Chester Chang, Sr., Another One Bitten by the Bug (Letter) [Youth], page 3

Clem Bowman, Hats Off to a Champion (John Byrd) (Letter) [People\John Byrd], page 3

Lloyd G. Kaufman, Experience West Texas Hospitality (Letter) [Sites], page 3

Sergio Colacevich, More on Pivotal Altitude (Letter) [Patterns and Landings], page 3

Tom Janousky, Thumbs Up for Sky Sailing (Letter) [Promotions; Aerospace Education], page 3

Walter Leu, Sheer Determination (Letter) [Inspiration], page 3

Bob Oehl, New Soaring School (Keystone Heights Airpark) (SSA in Action) [Sites], page 7

Pete Williams, Auxiliary Powered Sailplane Association News (SSA in Action) [Affiliates, Chapters, and Clubs\Auxiliary Powered Sailplane Association], page 7

Rules Committee Members (Elected) (SSA in Action) [Competitions], page 7

Dave Hudnut, The 1996 Sailplane Homebuilders Workshop (SSA in Action) [Homebuilts], page 9

Cadet Youth Flight Scholarship Contest (SSA in Action) [Soaring Society of America\Cadet Youth Flight Scholarship], page 9

Call for (Aviation Psychology) Papers (SSA in Action) [Psychology], page 9

Heads Up, Heads Up, Blanik L-13 Owners (SSA in Action) [Sailplanes\Blanik], page 9

Simine Short, National Landmark of Soaring Program (Ninth Landmark) (SSA in Action) [History; Sites\Honolulu, Hawaii; Affiliates, Chapters, and Clubs\National Soaring Museum\Landmark], page 11

Project AK-8 - a Progress Report (SSA in Action) [Homebuilts\AK-8 Project], page 11

Jim Brown, Second Annual Peter Karlson Memorial Youth Camp (SSA in Action) [Youth], pages 12-15

Jay Moreland, Utah is Diamond Country! (SSA in Action) [Expeditions], page 15

Another Lincoln Award Winner, by (SSA in Action) [Affiliates, Chapters, and Clubs\National Soaring

Museum], page 15

John H. Henderson, Southern Eagles Conduct Winch Clinic (SSA in Action) [Launching\Ground Launch], page 16

Norm Dalke, Soaring the Turtle Mountains (North Dakota) (SSA in Action) [Sites], page 16

James W. Swinnich, NSM Encampment (SSA in Action) [Affiliates, Chapters, and Clubs\National Soaring Museum; Youth], page 17

Mark Kennedy, Opportunity for Publication of Technical Papers (SSA in Action) [OSTIV; Technical Soaring], page 18

Ty White, 1996 Region 11 Championships (Soaring in Action) [Competitions\Regional], page 18

Bob Wander, (Headquarter Happenings and Buzz) [Soaring Society of America], page 19

Bob Nady, More about Birds (Club & Chapter Chatter) [Birds; Affiliates, Chapters, and Clubs], page 20

Marion Griffith, Jr, JAR-22 Study Group Coming to Texas (SSA in Action) [Joint Aviation Authority (JAA) and JAR; Conventions], page 20

Nancy Graham, Changes in US. Postal System Mailing Procedures (SSA in Action) [Publications], page 20

Bob Hurni, The 1996 1-26 Championships @ Ionia, Michigan (Soaring in Action) [Competitions\Regional], pages 25-29

Michael Steckner, Diamond Days in the USA [Awards\Badges\Flights], pages 32-33

Charles Vorsanger, How I Landed Out and Learned a Small Lesson in Humility [Cross Country Soaring], pages 34-36

Patrick Philbrick, Soaring Psychology: An Analysis of the Decision Making Process [Psychology], pages 37-39

George Thelen, Safety Alert! (Safety Corner) [Safety; Aerodynamics\Flutter; Instruments; Launching\Aerotow], pages 44-45

Bill Tomsa, Acrylic Painting "Run For Home on Silent Wings" over Southwestern Mountainous Terrain by Two Open Class Sailplanes [Art; Cover], page 999

### **December**

James E. Densmore, Jr., Schweizer 1-34 Piloted by Mike Thompson on Runway Behind a Yellow Super Cub Piloted by Keith Butler at Mineral County Airport in Creede Colorado (cover) [Cover]

Larry Sanderson, Milestones and New Direction [Growth], page 2

Beverly Howard, Take Care with Modifications (Letter) [Photography], page 3

John W. Brink, An Interesting Flight (Letter) [Techniques\Thermals and Thermaling], page 3

Roelof C. Cadee, Agrees/Disagrees (with 'Low Altitude Releases'), (Letter) [Patterns and Landings], page 3

David D. Hinckley, A Great Way to Let the Public Know (Letter) [Promotions; Aerospace Education], page 4

Hasso Schroder, What an Experience (Letter) [International\Sites; Launching\Ground Launch], page 4 Mike Schuster, Launch Failures (Letter) [Patterns and Landings], page 4

Mary Ripberger, A Successful Bean Field Landout (Letter) [Literature\Inspiration], page 6

Dave Treinis, New Videos (SSA in Action) [Instruction], page 9

Greg Crook, Introducing the Genesis 2 (SSA in Action) [Sailplanes\Genesis 2], page 9

Jacky Clairbaux, World's Dates Changed (SSA in Action) [International], page 9

John Campbell, SSA in action: SSA at FAA Proclamation Signing (with NCAE) [Aerospace Education], page 9

Nancy Graham, Changes in US. Postal System Mailing Procedures (SSA in Action) [Publications], page 9

Oran Nicks, Sailplane Development Panel Report (SSA in Action) [OSTIV; Parachutes], page 9

Richard Thornton, SSA/SHA Homebuilder's 1996 Workshop (SSA in Action) [Homebuilts], page 10

Jim Kellett, 16th Richard C. DuPont Sailplane Regatta (SSA in Action) [Affiliates, Chapters, and Clubs\Vintage Sailplane Association Awards], page 11

Jim Kellett, VSA Promotes Soaring (SSA in Action) [Affiliates, Chapters, and Clubs\Vintage Sailplane Association Awards], page 11

Jim Hogue, Pilot Report on the PW-5 World Class Glider (SSA in Action) [Sailplanes\World Class

Glider], page 12

Larry Sanderson, Board Selects Directors-at-Large (SSA in Action) [Soaring Society of America\Officers and Board of Directors], page 12

Larry Sanderson, Members Elect Regional Directors (SSA in Action) [Soaring Society of America\Officers and Board of Directors], page 12

Byars Elected Chairman of SSA Board of Directors for 1997 (SSA in Action) [Soaring Society of America\Officers and Board of Directors], page 12

Ed Neffinger, World Class Update (SSA in Action) [Sailplanes\World Class Glider], page 14

Mark Kennedy, Opportunity for Publication of Technical Papers (SSA in Action) [Technical Soaring], page 15

Val Paget, The Safety Net (SSA in Action) [Culture and Tradition], page 15

David Newill, Teenagers Like Soaring (SSA in Action) [Youth], page 16

Morris Technologies, New Product: Seat Belt Harness (SSA in Action) [Pilot Comfort], page 16

Region 3 (1996) Soaring Contest (Soaring in Action) [Competitions\Regional], page 17

Jack Wyman, Region Six North (1996) Soaring Contest (Soaring in Action) [Competitions\Regional], page 18

1996 Montague Contest, byPeter Kelly (SSA in Action) [Competitions\Non Sanctioned], page 18

Bob Nady, The NSF Equipments (Club & Chapter Chatter) [Affiliates, Chapters, and Clubs], page 19

Bob Wander, (Headquarter Happenings and Buzz) [Soaring Society of America\Publications], page 20

Bob Lacovara, Getting Wise to Gel Coat Cracks [Maintenance and Improvements], pages 24-27

Stephen Garner, A Piper Pawnee Fix: About a STC to Replace the Fuselage Forward Wing Spar Attach Fitting, Cluster and Carry-Through Tube, Permanently Satisfying AD 95-12-01 [Launching\Tow-planes], pages 30-32

Richard H. Johnson, A Flight Test Evaluation of the Super Ximango Motorglider [Aerodynamics\Flight Tests; Motorgliders\Super Ximango], pages 35-40

Derek Piggott, Derek Piggott on the Super Ximango [Motorgliders\Super Ximango], page 39

Daniel L. Johnson, The Purpose of a Soaring Club [Affiliates, Chapters, and Clubs], pages 41-42

George Thelen, Corrections (Safety Corner) [Safety\Instruments; Techniques\Wave Flying; Errata], pages 43-44

Emily Siroky, Sailplane Distributor Appointed (SSA in Action) [Sailplanes\Blanik], page 999

# 1997

### **January**

John Sullivan, Air Sailing's Schweizer 2-32 Piloted by Charlie Haynes with his Wife; Chase Pilot is Bob McKay (cover) [Cover]

Gene Hammond, President's Report: SSA Restructures Leadership [Soaring Society of America\President's Report], page 2

Fernando Rueda, Let's Get with It (Like Norway and Attract Young People) (Letter) [Promotions; Aerospace Education], page 3

John E. Jenista, Using the Compass (Letter) [Cloud Flying; Instruction], page 3

Michael Steckner, Corrections Noted (to Diamond Days in the USA) (Letter) [Errata; Awards\Badge Flights], page 3

Ron Poe, (Alvord Desert Safari) Memories Verified (Letter) [Expeditions], page 3

Joseph Mancusi, Comments on (Apparent Wingtip) Motion (in the Pattern) (Letter) [Patterns and Landings], pages 3-4

David J. Dougall, More Insurance Information (Letter) [Insurance], page 4

Garrett P. Calhoun, The (San Gabriel and Santa Susana Mountain) Lennies Beckon (Letter) [Techniques\Wave Flying], page 4

Gene Hammond, Ramblings of a Grouchy Husband (Letter) [Commentary], page 4

Gil Fitzhugh, Questions (Crosswind Approaches and Landings) Article (Letter) [Patterns and Landings], pages 4-5

Bob Davis, (Crosswind Approaches and Landings) Author Responds (Letter) [Patterns and Landings],

page 5

Geri Silveira, (Soaring Pilot) Bad Attitude-Bad News (for Our Sport) (Letter), page 5

David Volkmann, SSA Group (Hull and Liability) Insurance (Soaring in Action) [Insurance], page 7

Dean Carswell, Soaring Safety Seminar (at the Convention) (Soaring in Action) [Affiliates, Chapters, and Clubs\Soaring Safety Foundation; Ground Schools; Conventions], page 7

James W. Swinnich, NSM Report (on Museum Grants) (Soaring in Action) [Affiliates, Chapters, and Clubs\National Soaring Museum], page 7

SSA Member (Howard C. Blossom) Named (to Anti-Drug-Abuse Education Fund) (Soaring in Action) [People\Howard C. Blossom], pages 7-8

George Applebay, (Southwest Vintage and Classic) Rally Scheduled (at Moriarty) (Soaring in Action) [Affiliates, Chapters, and Clubs\Vintage Aircraft], page 8

Jim Kellett, DuPont Memorial Regatta (Hosted by Skyline Soaring) (Soaring in Action) [Affiliates, Chapters, and Clubs\Vintage Aircraft], pages 8-9

Editor, Correction on Photo Credit (Soaring in Action) [Errata], page 9

Judy Lincoln, Badge and Record News (Latest Forms Dated October 1, 1996) (Soaring in Action) [Awards\Badge Requirements], page 9

Nancy Graham, (SSA Member) Resource Book Available (Soaring in Action) [Publications], pages 9-10

Dean Carswell, Soar in Texas? (Soaring in Action) [Affiliates, Chapters, and Clubs], page 10

Mike Parker, El Tiro (Arizona) Dash (Soaring in Action) [Competitions\Local], page 10

Lorinza Henry, Pawnee Mod (STC) News (Soaring in Action) [Launching\Towplanes; Maintenance and Improvements], pages 10-11

News on Weather Site (Soaring in Action) [Meteorology], pages 12, 14

Tim Mara, GR1000 GPS Flight Recorder (New Products) [Sailplane\Instruments], page 14

Bruce Carmichael, SSA in Action: "Low Speed Airfoils" by Dieter Althaus [Aerodynamics], pages 14-15

Tom Knauff, Low Cost GPS Flight Recorder from EW Electronics (New Products) [Sailplane\Instruments], page 15

FAA Administrator (Hinson) Recognized (by NCAE) (Soaring in Action) [Federal Aviation Administration (FAA)], page 15

John Molumphy, 1996 Region 4 South Contest (New Castle, VA) (Soaring in Action) [Competitions\Regional], pages 15-16

Bob Nady, (Using Wet Weather for Currency and BFRs) (Club & Chapter Chatter), page 16

Bob Wander, Soaring in America Now Available from SSA (Headquarter Happenings and Buzz) [Publications], page 16

Russell White, Morning Glory (at the Gulf of Carpentaria, Australia) [Meteorology; International\Sites\Austalia; Techniques\Wave Flying; Motorgliders], pages 18-21

Pat Costello, Glider Hull Loss Adjustment [Insurance], page 22

Sterling Starr, Exploring the Beartooth (Range Absaroka Mountains) Wave (in Montana) [Techniques\Wave Flying], pages 23-25

François Pin, How Lucky Can One Be (To Team Fly at St Auban)? [International\Sites; International], pages 27-30

Martin Johnson, St Auban-Revisited! [International\Sites], pages 28-29

Ruthelma Ward Mullins, Pin, François: How Lucky Can One Be (To Team Fly at St Auban)?, pages 27-30

Elmer Mooring, Emergency Locator Transmitters [Sailplane\Instruments], pages 32-33

Billy Singleton, Sailplane Safety: NTSB Accident Summaries, Collision Avoidance Planning, Focus on Instructors Training Accidents, and When Are We Most At Risk?, [Instruction\Flight Instructors; Safety\Collision Avoidance; Safety\Accidents/Incidents; Affiliates, Chapters, and Clubs\Soaring Safety Foundation; Patterns and Landings], pages 38-40

George Thelen, Mid-Air in the (Sierra Nevada) Mountains (Near Truckee, CA), by Bill Chilcott (George Thelen) [Safety\Collision Avoidance], pages 41-42

### **February**

John Neel, Scimitar Prototype Landed 12 Miles from Estrella by Chip Garner (cover) [Cover;

Sailplanes\Scimitar]

Larry Sanderson, Not Over My Park You Don't.. [Airspace], page 2

Lloyd G. Kaufman, (Heartland Military Museum) Needs Help (with LK-10) (Letter) [Solicitations; Restorations], page 3

Scott Miller, Seeks Advice (with New/Used Glider Purchase) (Letter) [Solicitations], page 3

Steve Loudon, The Sport Soars on (as Pilot is Introduced to Soaring and Three Generations Fly!) (Letter) [Literature\Inspiration; Promotions; Aerospace Education; Family], page 3

Tom Hardy, Lightning Inquiry (Letter) [Meteorology\Lightning], page 3

Robert Lee Moore, (American Made) Pito Total Energy (Does It Exist)? (Letter) [Sailplane\Instruments], pages 3-4

Dick Valentine, The (Lennie in the Moriarty, NM) Sky Beckons (Letter) [Techniques\Wave Flying], page 4

Thomas L.R. Solt, Jr., Stall/Spin (and the Horizon on Approach) (Letter) [Stalls/Spins], page 4

John Campbell, *Thanks for Your Help (Cadet Youth Flight Cadet Scholarship Winner Letter Received)* (Letter) [Credits/Appreciation; Youth], pages 4-5

Nathan Maloy, Thanks for Your Help (Letter Received) (Letter) [Credits/Appreciation], pages 4-5

Wade H. Nelson, Help with (Gimli Glider) Research (Letter) [Solicitations], page 5

(FAI 1997 International) Aviation Art Contest (for Youth) [Youth; Art], page 5

Christine Zuba, Wisconsin Soaring (Action Soaring Completes First Year of Soaring) (Soaring in Action) [Business Members; Affiliates, Chapters, and Clubs\WSPA], page 7

David Volkmann, New (Liability Limits, Winter Storage Credits for Towplanes, etc) on Group Insurance (Soaring in Action) [Launching\Towplanes; Insurance], page 7

Dean Carswell, TSA (Annual Ground and Flight Training) Seminar (Scheduled) (Soaring in Action) [Ground Schools], page 7

Karen Thompson, *Team (Group) Tour (for 1997 WSC in St Auban) Announced* (Soaring in Action) [Competitions\World\US Team], page 7

Stephen Nesser, ACE Academy (by Minnesota Soaring Club) (Soaring in Action) [Aerospace Education; Youth; Affiliates, Chapters, and Clubs], pages 7-8

Derek (Johnson) Retires (Soaring in Action) [People\Derek Johnson], page 8

More Pawnee (Wing Attachment Fitting STC Information) (Soaring in Action) [Launching\Towplanes; Maintenance and Improvements], page 8

Soaring in Action: Derek (Johnson) Retires [Instruction\Flight Instructors], page 8

Bob Greenblatt, More Insurance (for Individual Owners from Aero Insurance) (Soaring in Action) [Insurance], pages 8-9

Bob Wander, StormChasers Movie Starts and Ends with Soaring (Headquarter Happenings and Buzz), page 9

David Habercom and Margaret Rappaport, WSCA Fall (1996) Meeting (at the NSM) (Soaring in Action) [Affiliates, Chapters, and Clubs\World Class Soaring Association; Affiliates, Chapters, and Clubs\National Soaring Museum], pages 9-10

Bob Nady, (Emphasizing Cross Country and Badge Weekends) (Club & Chapter Chatter), page 10

1997 Sailplane Directory (Announcement) (Soaring in Action) [Publications], page 10

Mat Redsell, Jim Marske and his Flying Wings [Sailplanes\Genesis I], pages 14-18

Bruno Gatenbrink, A New Task in Competition Soaring [Competitions; Awards\Badge Requirements], pages 19-20

Thomas Knauff, Canopy Open on Tow [Launching\Aerotow; Safety\Canopies], pages 21-22

Ron Sutton, A Day in the Life of a 1-26 Jockey [Affiliates, Chapters, and Clubs\1-26 Association; Sailplanes\Schweizer\SGS 1-26], pages 23-25

Henning von Perbandt, My First Aerobatic Flight in a Glider [Aerobatics], pages 26-27

Ron Clarke, The Best Soaring Vacation Ever (from California to Illinois) [Cross Country Soaring], pages 30-33

Richard H. Johnson, Sailplane Thermaling Procedures [Techniques\Thermals and Thermaling], pages 36-40

George Thelen, Lightning Strikes Twice, by Allan V. Martini (Safety Corner) [Safety\Lightning], pages 43-44

#### March

Steve Hines, Ray Gimmey in his Nimbus 3 Crossing the Finish Gate (cover) [Cover]

Bernald Smith, PW-5 (FAA Certification) Report (Letter) [Federal Aviation Administration (FAA); Affiliates, Chapters, and Clubs\World Class Soaring Association; Sailplanes\PW-5], page 3

Chad Cooper, (Blanik Premature) Tow Release (Letter) [Sailplanes\Blanik L-13; Equipment\Release Mechanisms], page 3

Charles Vorsanger, On (Thelen's) Safety and Youth (Letter, Safety Corner) [Safety], pages 3-4

Les Sebald, More on (the Truckee) Mid-Air (Letter) [Safety\Collision Avoidance; Instruction], page 4

Charles Gray, A Friendly Welcome (to a New Soaring Pilot) (Letter) [Promotions; Aerospace Education; Credits/Appreciation], pages 4,6

Charles Davis, Promoting Sport (Through Establishing a Video Library) (Letter) [Promotions; Aerospace Education], page 6

Ray Temchus, (Injured Helicopter Pilot is) Back in the Air (Letter) [Affiliates, Chapters, and Clubs\Freedom's Wings; Handicapped Accomplishments], page 6

Robert W. Payne, 14 Year Old (Daniel Hornal) Solos (in Washington State) (Letter) [Youth], page 6

Bob Maronede, (Silveira) Issue Resolved (Letter) [Promotions; Aerospace Education], pages 6-7

Jack Heinemann, Done For Winter (in Wisconsin) (Letter) [Credits/Appreciation], page 7

Jim Short, FAA Issues Type Certificate (for Polish Puchaz SZD 50-3) (Soaring in Action) [Sailplanes\SZD 50-3 "Puchacz"; Federal Aviation Administration (FAA)], page 9

Jim Short, Some (Older) Transceivers Outlawed (Soaring in Action) [Equipment\Radios; Federal Communications Commission (FCC)], page 9

New (Soaring) Hall of Fame Inductees (Gene Hammond and Carl Herold) (Soaring in Action) [Awards\Hall of Fame], pages 9-10

(Diamond Aircraft) Expansion Announced (Soaring in Action) [Launching\Towplanes; Business Members], page 10

Jacques Naviaux, Soaring in Namibia (Soaring in Action) [International\Sites], pages 10,12

Bob Wander, Polaroid Photo Commemorates Ride (Headquarter Happenings and Buzz), page 12

One Glider Pilot to Another (Story Musgrave/Phil Petmecky) (Soaring in Action) [People\Story Musgrave], page 14

Bob Thompson, *Turf Soaring (after 30 Years)* (Soaring in Action) [Sites\Turf, AZ; Business Members], pages 14-15

Pete Williams, 18-Meter New Generation (and Auxiliary Powered Integration) (Soaring in Action) [Competitions\Motorgliders], pages 15-16

Bob Nady, (Slurs at Us "Good-Ole-Boys") (Club & Chapter Chatter), page 16

Paddy S. Welles, *Keeping a Good Thing Going: Fifty-Two Years of Snowbird Meets* [History; Competitions\Local], pages 18-23

Charlie Spratt, Record Crewing [Crewing], pages 26-27

Paul D. Prudhomme, Wave Flight Over Hempstead, Texas [Techniques\Wave Flying], pages 28-29

Mark Loebner, Charlie McAllister, (and the) The Spirit of Yakima [History; People\Charlie McAllister], pages 30-33

John Seymour, To PST (Pilot Selected Task).. Long Live the PST [Competitions], pages 36,39

Bill Bartell, Or Not To PST (Pilot Selected Task).. a View of Competition Soaring [Competitions], pages 37-39

George Thelen, Dogs Can So Climb Trees.. but It Takes Two Firemen to Get Them Down, by Maynard Hirshon (Safety Corner) [Safety; Launching\Aerotow], pages 42-43

#### April

Hicham Hobeika, André Pepin and his DG-600 in Tow with the Montreal Soaring Council L-19 Tow Plane with Lake and Mountains in Background (cover) [Cover]

John Joss, Canopy (Open on Tow Article) Comment (Letter) [Sailplanes\Canopies; Launching\Aerotow], page 3

Monty Sullivan and Heinz Weissenbuehler, *Proud of Young Member (Liz Schwenkler)* (Letter) [*Youth*], page 3

Fred Robinson, *Discussion of Thermals* (Letter) [*Techniques*\Thermals and Thermaling], pages 3-4 Jan Scott, *More on Norway* (Letter) [*Promotions; Aerospace Education; International*\Sites], page 4

Phil Petmecky, Good Publicity (Letter) [Publicity], page 4

Sergio Colacevich, Don't Look At The Wingtip (in the Pattern) (Letter) [Patterns and Landings], page 4

Walter Hollister, Soar Minden (Winter) Adventure (Letter) [Sites], pages 4-5

Greetings From Croatia (Flight Club Osijek) (Letter) [International\Sites], page 5

Don Kawal, Call For SSA (2000) Convention Sponsors (Soaring in Action) [Conventions], page 7

Correction (for Region V Director Telephone) Noted (Soaring in Action) [Soaring Society of America\Directors; Errata], page 7

James Swinnich, New Exhibit (of Radio Controlled Model Sailplane) at NSM (Soaring in Action) [Models; Affiliates, Chapters, and Clubs\National Soaring Museum], pages 7-8

Simine and Jim Short, A Landmark (Ninth National Soaring Landmark) in the Pacific (Hawaii) (Soaring in Action) [History; Sites\Honolulu, Hawaii; Affiliates, Chapters, and Clubs\National Soaring Museum\Landmark], pages 8-9

Bob Nady, Safety Seminars and Accident Safety Counselors (Club & Chapter Chatter) [Safety], page 10

David Habercom, PW-5 Competition Announced (for Mifflin County in Pennsylvania) (Soaring in Action) [Affiliates, Chapters, and Clubs\World Class Soaring Association], page 11

Chuck O'Mahony, Hi-HOOOOO, Silver!, The Silver Anniversary SSA Convention (In Arlington, TX) [Conventions], pages 14-18

Chuck O'Mahony, The Silver Anniversary SSA Convention Photo Gallery [Conventions; Awards], page 17

Richard H. Johnson, A Flight Test Evaluation of the PW-5 World Class Sailplane [Aerodynamics\Flight Tests; Sailplanes\PW-5], pages 19-23

Dean Carswell, The Low-Time Pilot in the PW-5 World Class Sailplane [Sailplanes\PW-5; Pilot Reports], pages 23-25

Joel R. Cornell, *The Ladybug, the Compass, Gardyloo and the Eagle* [Sailplanes\Schweizer\SGS 1-26; Awards\Badge Flights; Cross Country Soaring], pages 30-32

George Thelen, *Dual Tows*, by *Peter Kelly* (Safety Corner) [*Safety\Launching\Aerotows*], pages 36-37 Judy Lincoln, *Hey! Cross Country Pilots!* [*Awards\Badge Requirements*], page 41

Billy Singleton, Sailplane Safety: NTSB Accident Summaries, 1996 Accident Review, Communicating for Safety, and Soaring [Safety\Accidents/Incidents; Affiliates, Chapters, and Clubs\Soaring Safety Foundation], pages 43-46

Billy Singleton, Sailplane Safety: NTSB Accident Summaries, Communicating for Safety, and CZoaring (Safety Corner) [Communications; Safety], pages 43-46

#### Mav

Steve Hines, Gary Ittner and his Ventus in Flight Over Hobbs, NM (cover) [Cover]

Larry Sanderson, The Soaring Hall of Fame [Soaring Society of America\President's Report; Awards\Hall of Fame], page 2

Norman H. Ellison, New Tasks in Competition Soaring (Letter) [Competitions; Computers and the Internet], page 2

Jamie Shore, One View (of Soaring's Goals, Local vs Cross-Country) (Letter) [Affiliates, Chapters, and Clubs; Youth; Cross Country Soaring], page 3

Frauke Elber, (Three Young) Friends (Grow Up with Soaring) (Letter) [Youth], page 4

Jack Wyman, Is It (St Auban) Too Dangerous? (Letter) [International\Sites; International], page 4

Ruthelma Ward Mullins, Wyman, Jack: is It (St Auban) Too Dangerous? (Letter), page 4

Mark Kennedy, A New Look At Soaring Magazine (Soaring in Action) [Publications], page 7

Karl Striedieck, (1996 SRA) Poll Results and (Competition) Rule Changes (Soaring in Action) [Competitions], pages 7-8

John Shewchuk, New Raob 40 Computer Program (Soaring in Action) [Computers and the Internet; Meteorology], pages 8-9

Mike Adams, LS-10 (Announced by Factory) (Soaring in Action) [Sailplanes\Rolladen-Schneider\LS-10], page 9

Zbynek Jaros, A Czech Connection (TST-1 124m ALPIN) (Soaring in Action) [Ultralights\TST-1 Alpin], pages 9-10, 12, 14

Bob Wander, Contacting Other FAA Instructors in Your Area at a Local FIRC (Headquarter Happenings and Buzz), page 14

Bob Nady, (Ground Launching and the Teamwork Involved) (Club & Chapter Chatter), page 15

Richard H. Johnson, An Oil Flow Study and Turbulator Installation on a Schweizer 1-26 Wing [Sailplanes\Schweizer\SGS 1-26; Aerodynamics\Flight Tests], pages 16-19

George Applebay, Why Another Soaring Museum? [Museums], pages 20-22

Raul Blacksten, A Report from Western Regional Development Committee (WRDC) [Museums], page 23

Alan K. Reeter, Mental Techniques [Psychology], pages 24-28

Oran W. Nicks, Energy Management - The Key to Successful Soaring [Sailplane\Instruments; Aerodynamics; Techniques\Thermals and Thermaling], pages 29-33

Peter C. King, A \$2 Camera Mount!! [Sailplanes\Cockpit; Photography], page 36

George Thelen, Dear Flabby (Contrasting Colors, Rudder Waggles, and the Convention) (Safety Corner) [Safety\Collision Avoidance; Communications; Launching\Aerotow; Conventions], pages 41-42

### June

Jackie Payne, A Discus on the Ground at Sunset in the Southern Sierra-Nevada Mountains (cover) [Cover]

Larry Sanderson, Passing Friends (Final Glide) [Soaring Society of America\President's Report], page 2

Frank Elber, Blue Ridge Shares (Proven Recipes) (Letter) [Food], page 3

Greg Godsey, (Cross-Country) Camps (Like Air Scapes) Are Great (Letter) [Cross Country Soaring; Camps; Ground Schools], page 3

Brian Hollington, (Thermaling) Thoughts Revived (Letter) [Literature\Humor; Techniques\Thermals and Thermaling], page 4

Dave Treinis, (One Photo After Landing) Says It All (Letter) [Seniors; Esprit de Corps], page 4

Convenience and Savings (with Soaring Classifieds) (Letter) [Soaring Society of America\Soaring Magazine\Advertising], page 4

John Good, (Competition) Pilot Ranking List on SSA Homepage (Soaring in Action) [Computers and the Internet; Competitions\National], page 7

Larry Sanderson, SSA Solicits Proposals to Host WSC 2003 (Soaring in Action) [Solicitations; International], page 7

Nancy Graham, 1997 Member Resource Book Available (Soaring in Action) [Errata; Publications], page 7

Gene Hammond, SSA at Sun 'N Fun (Soaring in Action) [Exhibits/Displays/Fairs], pages 7-8

Janell Sullivan, (1994-95 Lincoln Award) Winner Announced (Soaring in Action) [Awards\Lincoln Award], page 8

George Thelen, Safety Seminar, by Margaret Rappaport (Soaring in Action, Safety Corner) [Safety], pages 8-9

Margaret Rappaport, (First Annual Sailplane) Safety Seminar (Held in Lakeland, FL) (Soaring in Action) [Safety; Ground Schools], pages 8-9

Steve Coan, Soaring in Action: Coan/Payne Train USAF(Instructors at Academy for Aerobatics) (Soaring in Action) [Instruction\Flight Instructors; Aerobatics], page 9

1998 Convention (by Willamette Valley Soaring) (Soaring in Action) [Conventions], page 9

2 Pilots (Striedieck and Good), 2 Flights, One Great Day (April 18) and 10 Records (Soaring in Action) [Awards\Records and Record Flights; Techniques\Ridge Soaring], page 9

Dick Johnson, 1997 Marfa (Texas Thermal and Wave) Camp (Soaring in Action) [Camps], pages 9-10 Insurance Options (for More Passenger Coverage) (Soaring in Action) [Insurance], page 10

How to Contact the SSA: (Soaring in Action) [Computers and the Internet], page 12

Henning von Perbandt, Soaring the Rainbow Nation (South Africa) (Soaring in Action) [International\Sites], pages 12-14

Mark Kennedy, Soaring in Action: Please Note! (No) July Classified Ads [Advertising], page 14

James W. Swinnich, NSM in Action (Soaring in Action) [Affiliates, Chapters, and Clubs\National Soaring Museum], page 15

Jim Culp, (Mississippi) Governor's Challenge (Soaring in Action) [Soaring Society of

America\Governors], page 15

Bob Wander, Normandy Invasion and Their Glider Pilots (Headquarter Happenings and Buzz), page 16

(1997) Region 3 Fee Changed (Soaring in Action) [Competitions\Regional], page 16

John Campbell, Youth Scholarships (Now Three: Cadet, Bultman, and Kolstad) (Soaring in Action) [Youth], pages 16-17

Bob Nady, (Calling Cards, New Field, Thank Yous and Weather Made Easy) (Club & Chapter Chatter), page 17

Tillmann Steckner, Do Some Secrets of Soaring Still Lie in the Dark? Shadow Soaring [Meteorology; Techniques\Thermals and Thermaling], pages 18-22

Chip Garner, A Glider Ride [Literature\Inspiration], pages 24-25

Brad Ruda, The Wonder of It All [Esprit de Corps; Sailplanes\Schweizer\SGS 1-26], pages 26-29

Richard H. Johnson, The Effect of Wing Root Fairings on Russia AC-4 Performance [Aerodynamics\Flight Tests; Sailplanes\Russia AC-4], pages 30-33

George Thelen, Tempus Fuget (Time Flies) (and it's Time for a BFR, Aircraft Annual, Parachute Repack, Oxygen Test, or Transponder Check) (Safety Corner) [Safety; Pilot Certification; Maintenance and Improvements; Federal Aviation Administration (FAA)], pages 37-39

### July

Dean Carswell, Introduction to the 1997 Sailplane Directory [Publications; Sailplanes\Production/Availability], pages 8-10

Mark Kennedy, From the Staff of Soaring Magazine (Congratulations and Thank You to Dean Carswell) [Credits/Appreciation], page 9

Bruce Carmichael, Key Developments in the Evolution of Soaring [Sailplanes\Design; Aerodynamics], pages 15-17

Derek Piggott, Help with Choosing Your Next Glider [Sailplanes\Selection], pages 18-25

Aland Adams, So You Want to Buy a Fiberglass Sailplane? [Sailplanes\Selection], pages 27-30

Dean Carswell, 1997 Sailplane Directory Listings [Sailplanes\Production/Availability], pages 33-154

# August

John Sullivan, Rolladen-Schneider LS-3 at Rest Under a Rainbow Between It and the Mountains (cover) [Sailplanes\Rolladen-Schneider\LS-3; Cover]

Bob Gaines, (Phoebus C) Gift (of Bob Ross and Ron Lawson) Appreciated (by VSA) (Letter) [Affiliates, Chapters, and Clubs\VSA], page 3

Robert Warren, A Good Report (of Action Soaring at Brookfield, WI) (Letter) [Sites], page 3

Ross MacIntyre, IGC Sporting Code Revision (Solicitation) (Letter) [Solicitations; Awards\Badge Requirements], pages 3-4

John Joss, *To..or Not To (Go in Severe Turbulence)!* (Letter, Safety Corner) [Safety; Techniques\Mountain Soaring; Meteorology], page 4

Ron Watts, It's a Bird, It's a Plane, It's a Boat??? (Letter) [Taxes], pages 4-5

Ali E. Guvenoz, Where The Games Are (Inonu, Turkey) (Letter) [International\Sites], page 5

Jonathan Fox, Thanks, Friend (William Harris)! (Letter) [Credits/Appreciation], page 5

Theodore Grussing, A PW-5 (Flight) Review (Letter) [Sailplanes\PW-5], pages 5-6

Laurie Cylkowski, Soaring Tiger (Scout)s (Letter) [Sailplanes\Cherokee; Youth], page 6

Pamela Bean, Beyond the Picnic Table (at Stowe Soaring, VT) (Letter) [Family; Sites], page 7

Steve Fischer, Thanks to Volunteers (at 15M Nationals: Charlie Spratt and Bob Nady) (Letter) [Credits/Appreciation], page 7

Carl B. Jordan, George Challenged (on Flying In/Near Clouds) (Letter) [Airspace], pages 7-8

Editor, (Letters Submitted to Soaring Mail) [Communications], page 8

Gene Hammond, Learn Those Signals (Letter) [Communications], page 8

George Thelen, George Responds (to Jordan) (Letter) [Airspace], page 8

Martin Johnson, *Team Deserves Support (at St Auban)* (Letter) [Competitions\World\US Team], page 8 Janell Sullivan, Lincoln Award Competition (Soaring in Action) [Awards\Lincoln Award], page 9

Jim Short, SSA's Private Pilot Exemption (for Tow Pilots) Extended (Soaring in Action) [Launching\Aerotow; Federal Aviation Administration (FAA)], page 9

Mark Huffstutler, Sweepstakes Winners (Soaring in Action) [Competitions\World\US Team], page 9

- Peter Kelly, (Southwestern US) Safari April, 1997 (Soaring in Action) [Expeditions], pages 9-10, 12, 15
- Stemme S10VT Completes (LBA and FAA) Certification Flights (Soaring in Action) [Motorgliders\Stemme S10], page 15
- John Good, *The 1997 Senior Championships* (Soaring in Action) [Competitions\National\Seniors], pages 15-17
- Butch Thompson, (1997) Region 2 Contest Report (Mifflin County) (Soaring in Action) [Competitions\Regional], pages 17-18
- Carla Page, NSM Offers Permanent Remembrance of Soaring Friends (Soaring in Action) [Affiliates, Chapters, and Clubs\National Soaring Museum], page 18
- French Teams Dominate World Championships (Soaring in Action) [International], page 18
- Bob Wander, Recruiting Member Competition (Headquarter Happenings and Buzz), page 19
- Stemme S10VT Completes (LBA and FAA) Certification Flights (Soaring in Action) [Federal Aviation Administration (FAA)], page 19
- John H. Campbell, SSA and Civil Air Patrol [Affiliates, Chapters, and Clubs\Civil Air Patrol], pages 25-27
- Karl and Iris Striedieck, Ridge Flights April 18, 1997 [Techniques\Ridge Soaring], page 28
- John Good, Ridge Flights April 18, 1997 [Techniques\Ridge Soaring], page 29
- Jim Kellett, Let's Take It Nice and Easy... (.... And Make All The Stops Along The Way) [Awards\Badge Flights], pages 30-32
- Billy Singleton, Sailplane Safety: NTSB Summaries, Deja Vu, Training the Way We Fly (Safety Corner) [Safety\Accidents/Incidents], pages 37-38
- George Thelen, a Few Days in April and May (and Older Pilot's Decision Making) (Safety Corner) [Seniors; Safety\Seniors], pages 39-41
- Judy Ruprecht, FAI Approved Equipment [Awards\Badge Requirements], page 45

# September

- Chuck O'Mahoney, US Team Member Gary Ittner in his Ventus CA over St Auban, France (cover) [Cover]
- Chuck Jamieson, Questions (Thelen's Inspection) Information (Letter) [Maintenance and Improvements; Federal Aviation Administration (FAA); Errata], page 3
- Oran Nicks, Additional (Energy Management Article) Information (Letter) [Aerodynamics; Errata], page 3
- Stanley A. Hall, *Hopes (Nomograph) Information Will Help* (Letter) [Weight and Balance; Maintenance and Improvements], pages 3-4
- Jim Walsh, Marfa is The Place (for Winter Wave) (Letter) [Sites\Marfa, TX; Techniques\Wave Flying], pages 4-5
- Ron Clarke, *Thanks for (the Help with the) Sailplane Directory* (Soaring in Action) [Credits/Appreciation; Publications], page 7
- Five (Years) in a Row (for New Mexico Glider Encampment) (Soaring in Action) [Affiliates, Chapters, and Clubs\Civil Air Patrol], pages 7-9
- Billy Singleton, Soaring in Action: Soaring Safety Foundation Safety Alert (for BG-12s) [Maintenance and Improvements; Sailplanes\Briegleb BG-12; Affiliates, Chapters, and Clubs\Soaring Safety Foundation], page 9
- New (Scale Model)Exhibits at NSM (Soaring in Action) [Models; Affiliates, Chapters, and Clubs\National Soaring Museum], pages 9-10
- Bob Sanders, Stemme USA Expands (Soaring in Action) [Motorgliders\Stemme S10; Business Members], page 10
- Paul F. DeMeester, (1997) Region 11 Contest (Montague, CA) (Soaring in Action) [Competitions\Regional], pages 10-11, 13
- François G. Pin, *The First US "World Class" National Soaring Championship (at Mifflin County, PA)* (Soaring in Action) [Affiliates, Chapters, and Clubs\World Class Soaring Association], pages 13-14, 16-17
- Bob Wander, Publicity, Volunteers and the Yute (Headquarter Happenings and Buzz), page 17
- Gene Hammond, Pilot (14 CFR 61)Certification Rules Change (as of August 4, 1997) [Pilot

Certification], pages 19-21

Mike Finegan and Roger Gomoll, (15-Meter) Racing in Minnesota? Yeah, You Betcha! [Competitions\National], pages 23-26

Chuck O'Mahony, A Team Effort (1997 WGC at St Auban, France) [International], pages 28-38

George Thelen, *Having Your Hands Full (at Takeoff and Off Field Landing Times)* (Safety Corner) [Safety\Outlandings], pages 40-42

#### October

Larry Sanderson, Dennis Ivans Takes Off in a Nimbus 4DM at the Flying M Ranch (cover) [Cover] John Pillatsch, Like Father, like Son (and credits to their CFIG) (Letter) [Credits/Appreciation; Family], page 3

Bob Moore, Needed: a Two-Place 18-Meter SLS (Letter) [Motorgliders], pages 3-4

Convenience and Savings (with Soaring Classifieds) (Letter) [Advertising], page 4

Gene Hammond, Correction to (14 CFR) Part 61 (Soaring in Action) [Errata; Pilot Certification], page 7

Pat Costello, Being At Fault (Soaring in Action) [Insurance], pages 7-8

Portland Update (Double Tree Hotel at Lloyd Center) (Soaring in Action) [Conventions], page 8

Walter C. Pleasants, World War II Glider Pilots Soar Over Central Florida (With Tampa Bay Soaring Society) (Soaring in Action) [Seniors; Affiliates, Chapters, and Clubs], pages 8-9

Bob Dittert, (1997) Region 9 Ends in Tragic Loss (Soaring in Action) [Competitions\Regional], pages 9-11

Bob Nady, (Teamwork and Volunteers) (Club & Chapter Chatter), page 11

The Long Wait is Over (for Full-Color, 12-page Soaring Merchandise Catalog) [Publications], page 11

Sanjay Acharya, Soaring Ashram in the Estrellas [Awards\Badge Flights], pages 12-15

Keith Simmons, Just Two Flights [International\Sites; Techniques\Wave Flying], pages 16-18

Wade H. Nelson, The Gimli Glider [Sailplanes\Gimli; Pilot Reports], pages 19-22

Russ Pearson, What is Trigger (Temperature)? [Meteorology], pages 23-25

Udo Rumpf, Super HP-18 Project Outline [Maintenance and Improvements; Sailplanes\Schreder HP-18], pages 27-29

Michael Friend, A Ballistic Parachute Installation for the Russia 126 Glider [Equipment\Parachutes; Sailplanes\Russia AC-4], pages 30-33

George Thelen, Power Lines vs. Off Field Landings (Safety Corner) [Safety\Outlandings], pages 38-40 Billy Singleton, Sailplane Safety: What Has the SSF Done for Me Lately? NTSB Summaries, Probable Cause, Focus on Instructors (Safety Corner) [Flight Instructors; Affiliates, Chapters, and Clubs\Soaring Safety Foundation; Safety\Accidents/Incidents; Safety], pages 41-44

### **November**

Richard Thornton, Bright Orange Schweizer 2-33 Soaring Over Tehachapi, CA (cover) [Cover]

Larry Sanderson, The Sky is Falling (as the Reese MOA Floor Lowers) [Airspace], page 2

F.H. Smith, (Triggering) Wave Clouds (Letter) [Techniques\Wave Flying; Airspace], page 3

Mark Kennedy, Correction and Apology (for an Energy Management Article Correction Error) [Aero-dynamics; Errata], page 3

John Shelton, Another Opinion (of Airspace and Cloud Clearance) (Letter) [Airspace], pages 3-4

Stan A. Hall, (Nomograph) Wording Corrected (Letter) [Weight and Balance; Maintenance and Improvements; Errata], page 4

Pete Engelskirger, The Fight is on (Re: Tall Towers) (Letter) [Airspace], pages 4-5

Pete Williams, Motorgliders Abound (at Minden, Nevada) (Letter) [Motorgliders], page 5

Don Toeppen, A Different View (of Airspace and Cloud Clearance) (Letter) [Meteorology; Airspace], pages 5-6

George D. Burns, First Flight (at Fourteenth Birthday for Christopher Burns) (Letter) [Family; Youth], pages 6-7

Don Voyles, Age is Factor (in Flights to Solo) (Letter) [Seniors; Pilot Certification], page 7

Gregg R. Irvine, Check It First (Open Spoiler Warning Light) (Letter) [Maintenance and Improvements; Sailplane\Instruments], pages 7-8

Red Rivers, Kudos to Charlie (Spratt as Contest Director for Region 10) (Letter)

[Credits/Appreciation], page 8

Tracy W. Carlson, Where It's At (14 Year Old Glider Solo by Amy Kainrath in Nevada) (Letter) [Youth], page 8

Pat Costello, Recent Evolution in Aviation Insurance (Carriers and Brokers) (Soaring in Action) [Insurance], page 11

Wilhelm Dirks, Winglets for 18m DG-800 (Soaring in Action) [Sailplanes\Glaser-Dirks\DG-800], pages 11-12

Wilhelm Dirks, Maiden Flight of the DG-505MB (Soaring in Action) [Sailplanes\Glaser-Dirks\DG-505], page 12

David Newill, A Three Peat for Teens (by the Central Indiana Soaring Society) (Soaring in Action) [Instruction\Aerospace Education; Affiliates, Chapters, and Clubs; Youth], pages 12, 14

Chris Schnier, 1997 WSPA Seminar (held at Caesar Creek Soaring Club) (SSA in Action) [Affiliates, Chapters, and Clubs\WSPA], pages 15, 17-18

George Long, Report From Cadet (Who Soloed) (Soaring in Action) [Affiliates, Chapters, and Clubs\Civil Air Patrol], pages 18-19

John Boyce, 1997 Region One Soaring Championships (Springfield, VT) (Soaring in Action) [Competitions\Regional], pages 19-20

Bertha Ryan, (1997) Region 12 Contest (Inyokern, CA) (Soaring in Action) [Competitions\Regional], pages 20-21

How to Contact the SSA: (Soaring in Action) [Computers and the Internet], page 21

Bob Nady, (Club Competition Levels Below World Distance) (Club & Chapter Chatter), page 22

Do You Have a Desire to Read More Technical Material About Soaring? [Publications\Technical Soaring], page 22

Bob Wander, Expanding Our Horizons (Headquarter Happenings and Buzz), page 23

Kimberly Heidt, A Model of Service, The Life of John D. Ryan, 1925-1997 [Credits/Appreciation; People\John D. Ryan], pages 25-26

Rand Baldwin, The Cordele Ordeal, The 1997 Standard Class Nationals, June 10-19, 1997, Crisp County Airport, Cordele, GA [Competitions\National], pages 27-31

James W. Swinnich, William Gallagher, and Carla Page, *The National Soaring Museum, Elmira, New York, 1997 in Pictures [Affiliates, Chapters, and Clubs\National Soaring Foundation]*, pages 33-34

George Thelen, Operations (at Airports with Intersecting Runways, Unicoms, Motorgliders, and Older Pilots) (Safety Corner) [Safety\Airports; Seniors; Equipment\Radios], pages 36-38

### **December**

Steve Hines, Ray Gimmey in his Nimbus 3 Dropping Ballast Water (cover) [Cover]

Larry Sanderson, Let's Go Badge Flying [Awards\Badge Requirements], page 2

Marc Mott, Having Fun (in the Air at Silverado Soaring) (Letter) [Esprit de Corps], page 3

Raul Blacksten, Wichita Falls Mini-Reunion (of 1947 US Nationals Attendees) (Letter) [Competitions\National; History], page 3

Mark Dunning, A 3-Seat Lark? (Or Surprise Passengers When Preflight/Checklist is Incomplete) (Letter) [Safety\Preflight; Safety\Checklists], pages 3-4

SSA Staff, SSA Holiday Office Schedule [Soaring Society of America], page 7

Bruce H. Carmichael, Flying Wing Symposium (at Annual Designers/Builders Exhibit at NSM) (Soaring in Action) [Affiliates, Chapters, and Clubs\National Soaring Museum], pages 9, 11-12

Chris Schnier, *Hangar Soaring Turns 25* (SSA in Action) [Affiliates, Chapters, and Clubs\WSPA; Publications], page 9

Max Bishop, FAI 1998 Young Artists Contest (SSA in Action) [Youth; Art], page 9

Air Sailing (Cross Country) Camp Concludes (Soaring in Action) [Sites\AirSailing, NV; Cross Country Soaring], page 9

John H. Campbell, Junior Team Sweepstakes and Contest Results (and European Junior Gliding Championships) (Soaring in Action) [Youth], pages 14, 16-17

William Ard, Russia Sailplanes in Montana (Soaring in Action) [Sailplanes Russia AC-4], page 17

New Video From Sporty's Academy "Turbulence" by Richard Collins (Soaring in Action) [Meteorology; Video Tapes], pages 17-18

How to Contact the SSA: (Soaring in Action) [Computers and the Internet], page 18

Turbocharged Stemme S10VT (LBA) Certified (Soaring in Action) [Motorgliders\Stemme S10], page 18

Dean Carswell, TSA (1997 Ground and Flight) Training Seminar (A Success) (Soaring in Action) [Instruction\Ground Schools], pages 18-19

Paddy Welles, (1997) Region 3 Contest Report (Harris Hill) (Soaring in Action) [Competitions\Regional], pages 19-20

(1997) Region 6 South (Waynesville, OH) (Soaring in Action) [Competitions\Regional], pages 20-21

Don Kawal, Call For SSA (2002 and 2003) Convention Sponsors (Soaring in Action) [Conventions], page 21

Bob Wander, Convention, Awards, and Articles on Soaring (Headquarter Happenings and Buzz), page 22

Bob Nady, (Camps and Cross Country) (Club & Chapter Chatter), page 23

Charlie Spratt, Open and Sports Class Nationals at Minden [Competitions\National], pages 24-27

Ron Martelet, (Hinckley, IL) Airport [Esprit de Corps; Airports], pages 29-31

William Ard, Spring Wave in Montana (Over Bridger Mountains) [Techniques\Wave Flying], pages 32-34

Jim Payne, Hank Marlowe, and Ira Phillips, Jr., The 1996 SSA Distance Awards: Air Force Repeats (Triangles, 500km O&R, Barringer Trophy and Ridge Running) [Awards\Distance Awards; Techniques\Ridge Soaring], pages 37-39

George Thelen, Unintended Consequences (Fire from Sun's Rays Through Canopy, Canopy Smashed by Tow Ring, and Recalcitrant Water Bottle) (Safety Corner) [Sailplanes\Canopies; Launching\Aerotow], pages 41-43

Jim Payne, Hank Marlowe, and Ira Philips, Jr., The 1996 SSA Distance Awards: Air Force Repeats (Triangles, 500km O&R, Barringer Trophy and Ridge Running) [Awards\Badge Flights], page 999

#### 1998

### January

Bill Tomsa, Flight Planning (Cover) [Art]

Larry Sanderson, One Special Lady (President's Column) [Editorial], page 2

J. Robert Thompson, In Agreement (Soaring Mail) [Motorgliders], page 3

Jim Price, Club Wins Award (Soaring Mail) [Affiliates, Chapters, and Clubs\Caesar Creek], page 3

Tony Way, A Mystery? (Soaring Mail) [Sailplanes\Tie Fang 713 glider], page 3

Stephen Biggs, Obey Those FAR's (Soaring Mail) [FAR], page 4

Elmer Mooring, M-ASA Hosts Youth (Soaring in Action) [Affiliates, Chapters, and Clubs\Youth\Affiliates, Chapters, and Clubs\Mid-Atlantic Soaring], page 7

Jim Culp, GCS Reaches Out (Soaring in Action) [Affiliates, Chapters, and Clubs\Gulf Coast Soaring], page 7

John Campbell, SSA Member on NCAE Board (Soaring in Action) [NCAE\Education], page 8

Tim Mara, Special Announcement (Soaring in Action) [Sailplanes\Glasflugel 304CZ], page 8

Wayne Ginther, Alvord - 1997 (Soaring in Action) [Alvord], page 9

Gerry Guay, NE Region CAP Flights (Soaring in Action) [Affiliates, Chapters, and Clubs\CAP\Youth], page 10

Final Glide (Soaring in Action) [Obituaries], page 10

James W. Swinnich, From the NSM Director (Soaring in Action) [Museum], page 13

Jack Wyman, Region 6 Contest (Soaring in Action) [Competitions\Region 6], page 14

Bob Wander, (The Buzz) [Federal Aviation Administration], page 15

Basil J.F. Mott, A Woman for All Seasons (Feature Article) [People\Linda DeMarco], page 17

Allen Silver, Is Your Life Worth \$50 a Year? (Feature Article) [Safety\Parachutes], page 21

Barbara Lippincott-Lonsky, A Crewing Youth's Adventure (Feature Article) [Youth\Crewing], page 23

Bob Whelan, Soaring a Colorado Sinkhole (Feature Article) [Sites\Boulder, CO], page 27

George Thelen, Region 13 Contest (Safety Corner) [Safety], page 31

Billy Singleton, Safety - A Continuing Effort (Sailplane Safety) [Safety], page 39

Judy Ruprecht, Badges & Records (SSA & FAI Awards) [Awards], page 46

### **February**

John Sullivan, Sailplane in Flight at Minden (Cover) [Sailplanes\Nimbus III DM]

Larry Sanderson, How Much is Too Much? (President's Column) [Editorial], page 2

Billy Hill, *Thanks* (Soaring Mail) [Safety], page 3

Bridgett Whiting, Young Lady on a Mission (Soaring Mail) [Youth\First Solo; People\Bridgett Whiting], page 3

Rob Morgan, A Great Day at the Field (Soaring Mail) [Public Relations], page 4

Sergio Colachevich, Close to Ground, Check the Speed (Soaring Mail) [Safety\Instruction], page 4

Bruce Carmichael, SHA Conducting Survey (Soaring Mail) [Safety], page 5

Jochen Ewald, Questions Ballistic Parachute Safety (Soaring Mail) [Safety\Parachutes], page 5

Ralph Biesemeyer, Solo in Las Vegas (Soaring Mail) [Youth\First Solo; People\Scott Huntsman], page 5

Stephen Du Pont, Bad Judgment, Not Age! (Soaring Mail) [Safety], page 5

Charlie Gray, Having a Good Time (Soaring Mail), page 7

Paul A. Schweizer, *The 1-26ers Come Home* (Soaring In Action) [Sailplanes\Schweizer\SGS 1-26\Harris Hill], page 9

Let L-13AC Aerobatic Blanik (Soaring In Action) [Sailplanes\Blanik], page 9

Lysle Mockler, New to New Castle (Soaring In Action) [Competitions\New Castle], page 10

Vitek Siroky, Blanik Blurbs (Soaring In Action) [Sailplanes\Blanik], page 10

Bob Wander, Pilots: Know Your Rights! (The Buzz) [Federal Aviation Administration], page 15

Greg Crook, Genesis 2 Flight Test (Soaring In Action) [Aerodynamics\Flight Tests; Sailplanes\Genesis], page 15

Apply for WSPA Scholarships (Soaring In Action) [WSPA; Scholarships\WSPA], page 15

Final Glide (Soaring In Action) [Obituaries], page 15

Vitek Siroky, The Awesome Mt. Rainier Wave (Feature Article) [Techniques\Waves], page 17

Mark Keene and Pete and Judy Vredenburg, A Real Texas Shootout-The 1997 1-26 Championship (Feature Article) [Competitions\1-26; Sites\Midlothian, Texas], page 23

David Habercom and Karl and Iris Striedieck and Clem and Mary Bowman, *The First World Air Games and Turkish Delights!* (Feature Article) [Competitions\World Air Games], page 29

Peter C. King, Should Your Glider Be Retired? (Feature Article) [Sailplanes], page 34

Judy Ruprecht, Badges & Records (SSA & FAI Awards) [Awards], page 36

George Thelen, Time for Letters Again (Safety Corner) [Safety], page 37

Roberto Barreiro Devesa, Soaring in Spain at the Gliderport of Fuentemilanos! (Feature Article) [Sites\Fuentemilanos, Spain], page 43

#### March

John Wolters, Sailplane in Flight and Clouds (Cover) [Cover; Motorgliders\PIK 20 E]

Larry Sanderson, Misteaks (oops) ... Mistakes (President's Column) [Editorial], page 2

David McAsey, Other Factors? (Soaring Mail) [Safety], page 3

Joel D. Hough, Use Rudder Waggle (Soaring Mail) [Safety\Signals], page 3

John Galdieri, Note, Aspiring Writers (Soaring Mail) [Literature], page 3

John S. Lawrence, Asking for Help (Soaring Mail) [Youth; Affiliates, Chapters, and Clubs\CAP], page 3

Robert M. Park, Call to Attention (Soaring Mail) [Safety], page 3

Sanjay Acharya, Soaring Really High (Soaring Mail), page 3

George Thelen, And George Responds (Soaring Mail) [Safety], page 4

Ron Kindschi, Out of the Mouth of Babes (Soaring Mail) [Motorgliders\Youth], page 4

Paul A. Schuman, The Boulder Sinkhole Revisited (Soaring Mail), page 5

Final Glide (Soaring in Action) [Obituaries], page 7

New Product: H 125 Integrale Winch (Soaring In Action) [Launching\Winch], page 7

Jim Short, IAR Brasov Increases Safe-Life of IS-28B2 "Lark" (Soaring in Action) [Maintenance and Improvements], page 8

New Product (Soaring in Action) [Meteorology], page 8

Jaye Fish, NSM Wants Your Help (Soaring in Action) [Museum\Hall of Fame], page 9

Soaring Flight Simulator (Soaring in Action) [Simulator], page 9

National Soaring Museum, Lincoln Award Winner (Soaring in Action) [Awards\Literature], page 10

Paul J. Krupin, Summer Camp for Teens (Soaring in Action) [Youth], page 12

Tom Knauff, *New From Schempp-Hirth* (Soaring in Action) [Sailplanes\Schempp-Hirth], page 12 Bob Wander, (The Buzz), page 13

The 1997 U.S. National and Regional Soaring Champions (Feature Article) [Competitions], page 14

Tillmann Steckner, Putting the Bite Into Weak Drum Brakes (Feature Article) [Maintenance and Improvements\Brakes], page 17

Richard H. Johnson, An FTE of the IS-29D2 15-Meter Sport Sailplane (Feature Article) [Aerodynamics\Flight Tests; Sailplanes\IS-29D2], page 27

Nyal Williams, Earning a B Badge in a Primary Glider in Belgium (Feature Article) [Sailplanes\Primary Glider], page 35

Judy Ruprecht, Badge & Records (SSA & FAI Awards) [Awards], page 39

George Thelen, Well ... You See ... One Day... (Safety Corner) [Safety], page 44

### **April**

Blanton Owen, Sailplane on the Ground and Clouds (Cover) [Sailplanes\Grob G-103]

Larry Sanderson, The Warren E. Eaton Trophy (President's Column) [Editorial\Bernald Smith], page 2

George J. Vakkur, GPS and Records (Soaring Mail) [Awards\Badges\GPS\Records], page 3

Ingrid Kjenslie, *Thinking of Retiring?* (Soaring Mail) [History\Seniors], page 3

Judy Ruprecht, Badge and Record Response (Soaring Mail) [Awards\Badges\GPS], page 3

Jay Fredricksen, *Thanks for Everything* (Soaring Mail) [Youth; Affiliates, Chapters, and Clubs\CAP], page 4

Rand Baldwin, Corrections Noted (Soaring Mail) [Competitions\Cordele], page 4

George Wiederkehr, 4th International European Junior Gliding Championship (Soaring in Action) [Competitions\Juniors], page 5

Nancy Graham, Call for Nominations - 1998 (Soaring In Action) [Soaring Society of America], page 5

Elemer Katinszky, PW-5 Type Certification (Soaring in Action) [Sailplanes\PW-5], page 6

News About PW-5 (Soaring in Action) [Sailplanes\PW-5], page 6

Jim Price, Glider Flight Number 8000 (Soaring in Action) [Affiliates, Chapters, and Clubs\Caesar Creek], page 7

John Campbell, Line Crew Reward (Soaring in Action) [Awards\Bultman], page 7

Distributor Announced (Soaring in Action) [Sailplanes\Solaire], page 7

Norm Page, Henry Combs Perpetual Trophy Winner for 1997 (Soaring in Action) [Awards\Henry Combs], page 8

Final Glide (Soaring in Action) [Obituaries], page 8

Bob Wander, (The Buzz) [Affiliates, Chapters, and Clubs; Commercial Operators], page 9

Denver Soaring Council, Scholarship Winner Announced (Soaring in Action) [Scholarships], page 9

New Florida Club (Soaring in Action) [Affiliates, Chapters, and Clubs\Florida], page 9

Jim E. Hendrix, Casting Out the Anchor Chain (Feature Article) [Instruction\X-C Soaring], page 12

Richard H. Johnson, *Development of a Total Energy System for the PW-5 Sailplane* (Feature Article) [Equipment\Instrumentation], page 16

Joe Parrish, Rope Breaks: Lessons Learned From the Space Shuttle (Feature Article) [Instruction\Safety], page 22

Tom Janowsky, Getting Hooked on Soaring (Feature Article), page 27

Judy Ruprecht, Badge & Records (SSA & FAI Awards) [Awards], page 32

George Thelen, Nearer, My God to Thee! (Safety Corner) [Safety], page 34

Billy Singleton, 1997 SSF Safety Report (Feature Article, Sailplane Safety) [Safety], page 40

#### May

Richard Thornton, Sailplane Take-off Line (Cover) [Competitions\Regionals; Sites\California City] Larry Sanderson, The SSA Foundation Looking Into the Future (President's Column) [Editorial], page 2

Bob Johnson, Praise for Brake Article (Soaring Mail) [Equipment\Brakes], page 3

Elemer Katinszky, Additional Tire Information (Soaring Mail) [Equipment\Tires], page 3

Eugene R. Ganssle, SG-38 Restoration (Soaring Mail) [History; Sailplanes\Schulgleiter SG-38;

Museum], page 3

Gregg R. Irvine, About Spirit and Falcon (Soaring Mail) [Sailplanes\Spirit/Falcon], page 3

Tillmann Steckner, Corrections Noted (Soaring Mail) [Equipment\Brakes], page 3

Tim Hanke, 1998 Junior Contest (Soaring Mail) [Competitions\Youth; Affiliates, Chapters, and Clubs], page 3

David Ryhti, Co-Pilot Still Sucks Her Thumb (Soaring Mail), page 4

Bob Bailey, More on Camps (Soaring Mail) [Instruction], page 5

James R. Campbell, You're Never Too Old (Soaring Mail) [Seniors], page 5

John Campbell, 1997 Kolstad Awards (Soaring in Action) [Awards\Kolstad], page 7

Blanik Camp Set (Soaring In Action) [Sailplanes\Blanik; Instruction], page 7

Billy Singleton, Report Available (Soaring in Action) [Safety], page 8

Discover Soaring! Video Wins Award (Soaring in Action) [Video], page 8

Final Glide (Soaring in Action) [Obituaries], page 8

New Soaring Video (Soaring in Action) [Video], page 9

Jack Olson, Still Looking Up (Soaring in Action) [Seniors], page 10

Knauff and Sproull Elected to the Soaring Hall of Fame (Soaring in Action) [Awards\Hall of Fame], page 10

Bob Nady, (Club & Chapter Chatter) [Affiliates, Chapters, and Clubs], page 13

Bob Wander, (The Buzz) [FAA\Ramp Check], page 13

NAA Announces Record Flights of 1997 (Soaring in Action) [Awards\NAA], page 13

Chuck O'Mahony, The 1998 SSA Convention (Feature Article) [Conventions], page 16

Richard H. Johnson, The Effects of Wing Surface Distortions on the Performance of a Modern Sailplane (Feature Article) [Aerodynamics\Performance], page 23

Bruno Gantenbrink, *The Most Dangerous Part of Gliding.....Is the Trip to the Glider Field!* (Feature Article) [Safety], page 29

George Thelen, 2-32 Accident Revisited (Safety Corner) [Safety\Sailplanes\Schweizer\SGS 2-32], page 37

Judy Ruprecht, Badge & Records (SSA & FAI Awards) [Awards], page 44

#### **June**

Dennis Meyer, Sailplane Ridge Soaring (Cover) [Sailplanes\LS-3; Cover; Sites\Vacaville]

Larry Sanderson, The High Price of Soaring (President's Column) [Editorial], page 2

Frank Reid, Communication Helpful (Soaring Mail) [Federal Aviation Administration], page 3

Jim Miller, Age No Barrier (Soaring Mail) [Seniors\First Solo; People\John William], page 3

David Habercom, Credit Deserved (Soaring Mail) [Competitions\World Air Games], page 4

Jeff Marcell, They're Everywhere! (Soaring Mail) [Soaring Society of America\Members], page 4

John Lawrence, Help for CAP (Soaring Mail) [Affiliates, Chapters, and Clubs\CAP; Youth], page 4

Carla Page, NSM - Women in Aviation (Soaring In Action) [Affiliates, Chapters, and Clubs\NSM; Museum\Women], page 5

Final Glide (Soaring in Action) [Obituaries], page 5

John Campbell, SSA Rejuvenation (Soaring in Action) [Youth], page 6

Pete Williams, New Product Self-Launch Retractable Engine Sailplanes by Peter Williams (Soaring in Action) [Literature\Motorgliders], page 7

Dick Johnson, 1998 Marfa Thermal and Wave Camp Report (Soaring in Action) [Sites\Marfa; Meteorology\Thermal/Wave], page 8

Martin Simons, New Product German Air Attaché: The Life of Peter Riedel by Martin Simons (Soaring in Action) [Literature\Peter Riedel], page 8

Kai Gertsen, 1998 Senior Nationals (Soaring in Action) [Competitions\Seniors; Sites\Seminole County], page 10

Brian Hudnut, Construction of 100th Steme Model S10 (Soaring in Action) [Sailplanes\Stemme S10], page 12

NSF Board Meeting (Soaring in Action) [Affiliates, Chapters, and Clubs\NSF], page 12

Bob Nady, (Club & Chapter Chatter) [Affiliates, Chapters, and Clubs], page 13

Bob Wander, A Little Friendly Competition (The Buzz) [Affiliates, Chapters, and Clubs], page 14

Richard H. Johnson, A Flight Test Evaluation of the SZD-59 Acro Sailplane (Feature Article)

[Aerodynamics\Flight Tests; Sailplanes\SZD-59], page 18

Dean Carswell, Handling the SZD-59 Acro (Feature Article) [Sailplanes\SZD-59], page 20

Dean Carswell, *The Laugh's On Me* (Feature Article) [*Ultralights\Towing; Motorgliders\Diamond Xtreme HK 36 TTS*], page 27

Roger Archey, Landout Kit! (Feature Article) [Equipment], page 30

Peter C. King, Cruise Missile (Feature Article) [Trailers], page 34

George Thelen, Future Planning (er ... well, Conspicuous Consumption) (Safety Corner) [Safety], page 40

Judy Ruprecht, Badge & Records (SSA & FAI Awards) [Awards], page 44

### July

Chuck O'Mahony, Justin Wills in his ASW-27 at World Competition (Cover) [Competitions\World; Sites\St. Auban, France]

Larry Sanderson, We Need Your Help (President's Column) [Editorial], page 2

Winfried L. Mroz, *Thanks for Magazine* (Soaring Mail) [Soaring Society of America\Soaring Magazine], page 3

Ron Tabery, Tape Problems - Not Apeeling (Soaring Mail) [Safety\Tape], page 4

Terry Sullivan, Flight Simulator Helps (Soaring Mail) [Simulator\Instruction], page 4

Carla Page, Teens Earn Soaring Awards (Soaring in Action) [Youth; Affiliates, Chapters, and Clubs\Awards], page 7

Jayne Reid, CAP at Bermuda High (Soaring In Action) [Affiliates, Chapters, and Clubs\CAP\Youth; Sites\Bermuda High], page 7

Schempp-Hirth, *Discus-2 Makes Maiden Flight* (Soaring in Action) [Sailplanes\Schempp-Hirth\Discus-2], page 8

Sharon Smith, WSPA Online (Soaring in Action) [WSPA\On-line], page 8

Peter McLean, Soaring Event Announced (Soaring in Action) [Affiliates, Chapters, and Clubs\Mohawk], page 9

New Winch Available (Soaring in Action) [Launching\Winch\H 125 Integrale], page 9

Lou Frank, Soaring Safety Seminar 1998 (Soaring in Action) [Safety\Seminar], page 10

Cyndi Stephenson, New Promotional Item (Soaring in Action) [Youth], page 11

Final Glide (Soaring in Action) [Obituaries], page 11

Bob Nady, (Club & Chapter Chatter) [Affiliates, Chapters, and Clubs], page 12

Bob Wander, (The Buzz), page 12

Frank Reid, Landing Short (Instructors' Corner) [Instruction], page 13

Judy Ruprecht, U.S. and World Soaring Records (Feature Article) [Awards\Records], page 14

Richard H. Johnson, A Flight Test Evaluation of an LS-8a Standard Class Sailplane (Feature Article) [Aerodynamics\Flight Tests; Sailplanes\Rolladen-Schneider\LS-8a], page 17

Bob von Hellens, Soaring at the El Tiro Dash (Feature Article), page 24

Raul Blacksten, I Helped Rescue the 1-7 (Feature Article) [History\SGS 1-7], page 26

Steve Nesser, A Short Distance and a Long Night (Feature Article) [Cross County Soaring; Crewing], page 30

Billy Singleton, NTSB Summaries (Sailplane Safety) [Safety], page 32

George Thelen, Delayed Maintenance (Safety Corner) [Safety\Maintenance], page 41

Judy Ruprecht, Badge & Records (SSA & FAI Awards) [Awards], page 44

### August

Jay McDaniel, Sailplane at Las Vegas (Cover) [Sailplanes\DG-600]

Larry Sanderson, Dear Mrs. Garvey (President's Column) [Editorial\FAA], page 2

Gary B. Swift, SSA Hand Signal For Motorists? (Soaring Mail) [Signals], page 3

Jim C. Kellett, From on High (Soaring Mail) [Affiliates, Chapters, and Clubs\Skyline], page 3

Kevin Perry, Also Active with Youth (Soaring Mail) [Youth\Affiliates, Chapters, and Clubs; Sites\Lake Elsinore], page 4

Ray Butts, Has Some Comments (Soaring Mail) [Soaring Society of America\Soaring Magazine], page 4

Stanley E. McGrew, He Says No! (Soaring Mail) [FAR], page 4

George Taylor, Trailers, Trailers (Soaring Mail) [Trailers], page 5

Patrick Edwards, Flying the Bus (Soaring Mail) [Affiliates, Chapters, and Clubs\Central Ohio], page 5

Ted G. Fillos, Sharing Photo (Soaring Mail) [Photography\Affiliates, Chapters, and Clubs; Sites\Brandywine], page 5

Larry Sanderson, Charlie Spratt Reporting On-Line (Soaring in Action) [Competitions], page 7

Vitek Siroky, Blanik America Anniversary (Soaring In Action) [Sailplanes\Blanik], page 7

Vitek Siroky, Purchase Planned (Soaring in Action) [Manufacturers\Blanik], page 7

New Product Ball GS Comp (Soaring in Action) [Instruments], page 7

Vitek Siroky, News from LET (Soaring in Action) [Manufacturers\LET], page 8

Final Glide (Soaring in Action) [Obituaries], page 8

Biographies for Newly Nominated SSA Director Candidates (Soaring in Action) [Soaring Society of America], page 9

Bob Wander, You Gotta ... Have a Regatta! (The Buzz), page 10

Frank Reid, The "New" SSA Signal (Instructors' Corner) [Instruction], page 11

Ned Godshall, Revolutionizing Sailplanes (Feature Article) [Hangars], page 16

Paula Gadowski, Discovering What It's All About! (Feature Article), page 24

Paddy Welles, As Good As It Gets - 1998 Sports Class Nationals (Feature Article) [Competitions\Sports; Sites\Mifflin County], page 29

William Prescott, The Last Diamond - At Last! (Feature Article) [Awards\Badges], page 36

George Thelen, Experience Tells (Safety Corner) [Safety], page 40

Judy Ruprecht, Badge & Records (SSA & FAI Awards) [Awards], page 44

### September

Ronald Poe, Rear View of 2-33 on Tow and Scenery (Cover) [Sailplanes\Schweizer\SGS 2-33]

Larry Sanderson, Flying - Right or Privilege? (President's Column) [Editorial], page 2

Gary P. Bushouse, Who Says Soaring is for Old Folks (Soaring Mail) [Youth\Affiliates, Chapters, and Clubs; Sites\Lake Elsinore], page 3

Joel Flamenbaum, A Great Place to Soar (Soaring Mail) [Sites\Driggs], page 3

Michael Westbrook, *Texas Soaring Association's 2-33* (Soaring Mail) [Sailplanes\Schweizer\SGS 2-33; Affiliates, Chapters, and Clubs\TSA], page 3

Philip C. Marks, Brakes and More (Soaring Mail) [Maintenance and Improvements\Brakes], page 4

Randy Roth, She Says it Best (Soaring Mail) [Youth], page 4

Steve Loudon, Come Fly Nebraska (Soaring Mail) [Sites\Nebraska], page 5

François Pin, 1999 SSA Convention Help and Involvement Needed (Soaring in Action) [Conventions], page 7

Larry Sanderson, A New Era in Contest Reporting (Soaring in Action) [Competitions], page 7

Final Glide (Soaring in Action) [Obituaries], page 7

Jim Price, Region 6 South Contest (Soaring in Action) [Competitions\Region 6; Sites\Caesar Creek], page 8

John Murray, New Product (Soaring in Action) [Equipment\Radio], page 8

Ty White, 1998 Region 11 Championships (Soaring in Action) [Competitions\Region 11; Sites\Crazy Creek], page 10

Bob Wander, http://www.ssa.org (The Buzz) [Soaring Society of America\On-line], page 12

Frank Reid, The "It Can't Be My Fault, the Gods Are Doing This" Syndrome (Instructors' Corner) [Instruction], page 13

Charles "Chuck" O'Mahony, *Into the Wild Blue Yonder* (Feature Article) [Youth\Instruction; Military\Air Force Academy], page 14

David Gibo, Tactics and Vectors - Flight Tactics of Migrating Monarch Butterflies (Feature Article) [Butterflies], page 20

Juergen Nick, Automatic Safety Sleeve for the L'Hotellier Swivel Joint Connectors (Feature Article) [Safety\Controls], page 22

William R. Cotton (accompanied by Edward "Ward" Hindman), *One if by Thermal, Two if by Wave, Three if by Ridge Lift* (Feature Article) [Meteorology\Motorgliders], page 24

William "Bill" Ard, Epic Gaggle Tales From Montana (Feature Article) [Techniques\Mountain Flying], page 28

Eric Greenwell, Powered Sailplanes Provide Opportunities (Feature Article) [Motorgliders], page 32

Doug Levy (with editional assistance from George Powell), *Three Diamonds in a 1-26* (Feature Article) [Awards\Badges; Sailplanes\Schweizer\SGS 1-26], page 36

George Thelen, Fatal Accident (Safety Corner) [Safety\Accident], page 41

Judy Ruprecht, Badge & Records (SSA & FAI Awards) [Awards], page 44

#### October

John Sullivan, Sailplane Over Fall Foliage (Cover) [Sailplanes\Grob G-103C]

Larry Sanderson, With Rights Come Responsibilities We're in this Together (President's Column) [Editorial], page 2

Peter Leonhardt, Rudder Waggle (Soaring Mail) [Instruction\Signals], page 3

Steve Adkins, Great Mix! (Soaring Mail) [Soaring Society of America\Soaring Magazine], page 3

Tom Dwyer, Hey! What About Us Sunday Fliers? (Soaring Mail) [Sailplanes\Affiliates, Chapters, and Clubs], page 3

John P. Fornarola, A Great Place to Soar! (Soaring Mail) [Sites\Parowan], page 4

Tillmann Steckner, Further Information on "Shadow Soaring" (Soaring Mail) [Meteorology], page 4

William F. Davis, Alive and Well (Soaring Mail) [Affiliates, Chapters, and Clubs\Northern Sky Soaring], page 5

Charlie Spratt and Carmen Waters, Region Four North Contest (Soaring in Action) [Competitions\Region 4; Sites\Mifflin], page 7

Mark Kennedy, *Heads Up* (Soaring in Action) [Soaring Society of America\Soaring Magazine], page 7 Final Glide (Soaring in Action) [Obituaries], page 7

Mark Kennedy, Weather Articles Coming (Soaring in Action) [Soaring Society of America\Soaring Magazine\Meteorology], page 8

Burt Compton, Byrd Does Great (Soaring in Action) [Competitions\Bavaria Glide], page 9

Mark Kennedy, For Prospective Authors (Soaring in Action) [Soaring Society of America\Soaring Magazine\Authors], page 9

Mike Greenwald, Region 7 Results (Soaring in Action) [Competitions\Region 7], page 9

Ron Clarke, New Glider to U.S. (Soaring in Action) [Sailplanes], page 9

Chris Schnier, Gross Sky Ghost Scholarship Awarded (Soaring in Action) [Scholarships\Gross], page 10

Ron Ferguson, Region 8 Contest Report (Soaring in Action) [Competitions\Region 8; Sites\Ephrata], page 10

Bob Wander, (The Buzz) [Youth\Affiliates, Chapters, and Clubs], page 12

Frank Reid, What's Your Left Hand Doing? (Instructors' Corner) [Instruction], page 12

Bob Dittert, The 1998 Motorglider Nationals and Region Nine Competition (Feature Article) [Competitions\Motorgliders; Competitions\Region 9; Sites\Hobbs], page 14

Gene Hammond, Ground Damage Still A Problem (Feature Article) [Safety], page 18

Marvin Willis, A 1-26 Championship From An Old Goat's Perspective (Feature Article) [Competitions\1-26], page 20

Tom Hardy, A Lifesaver For Small Clubs (Feature Article) [Affiliates, Chapters, and Clubs], page 24

Joe Kelly, Soaring In Zimbabwe (Feature Article) [Sites\Zimbabwe], page 26

Charles Vorsanger, A Lesson In Humility - Part II (Feature Article) [Safety], page 28

Greg Ervice, I'm Up In A Glider! (Feature Article), page 32

George Thelen, Fatal Accident (Safety Corner) [Safety\Accident], page 36

Judy Ruprecht, Badge & Records (SSA & FAI Awards) [Awards], page 40

Billy Singleton, NTSB Summaries (Sailplane Safety) [Safety\Accident], page 42

### November

Dan Matzke, *Henry Combs Soars for his 200th Diamond* (Cover) [*People\Henry Combs\Sailplanes\Libelle*]

Larry Sanderson, Friends Across the Waters (President's Column) [Editorial], page 2

Ed Lindoo, Soaring the Florida Keys (Soaring Mail) [Sites\Florida Keys; Motorgliders\PIK-20E], page 3

Joe C. Parrish, L/D is Lacking (Soaring Mail) [Humor], page 3

Jon Browser, More on USAF Program (Soaring Mail) [Military\USAF], page 3

Chuck O'Mahony, A Response From Chuck (Soaring Mail) [Military\USAF], page 4

Phil Petmecky, Safety the Issue (Soaring Mail) [Safety\Competition], page 4

Chris Lind, Another "Thank You" (Soaring Mail) [Affiliates, Chapters, and Clubs\CAP; Youth], page 5

George R. Long, Thank You, CAP/SSA (Soaring Mail) [Affiliates, Chapters, and Clubs\CAP; Youth], page 5

Pat J. McGrath, Memories Valuable (Soaring Mail) [History\Nostalgia], page 5

Hank Marlowe, Henry Combs Reaches 200th (Soaring in Action) [People\Henry Combs], page 7

Larry Sanderson, *Board Selects Directors-At-Large* (Soaring in Action) [Soaring Society of America], page 7

Larry Sanderson, *Members Elect Regional Directors* (Soaring in Action) [Soaring Society of America], page 7

Larry Sanderson, SSA Holiday Office Schedule (Soaring in Action) [Soaring Society of America], page 7

Larry Sanderson, Frank Reid Elected as SSA Chair for 1999 (Soaring in Action) [Soaring Society of America\Frank Reid], page 8

Rick Hanson, Youth at Sugarbush (Soaring in Action) [Youth; Sites\Sugarbush], page 8

Cyndi Stephenson, USUA Will Attend (Soaring in Action) [Conventions\USUA], page 9

David Habercom, Test Flight For PW-6 (Soaring in Action) [Aerodynamics\Flight Tests; Sailplanes\PW-6], page 9

Final Glide (Soaring in Action) [Obituaries], page 9

Bob Wander, (The Buzz), page 11

Frank Reid, What's Your Left Hand Doing? Part II (Instructors' Corner) [Instruction], page 11

Bob Zimmerman, *The 1998 Standard and Open Class Nationals* (Feature Article) [Competitions\Uvalde], page 18

Tom Bradbury, Winds Aloft and the Weather Below (Feature Article) [Meteorology], page 24

Gary Kemp, The 1998 15-Meter Nationals - Siskiyou County, California (Feature Article) [Competitions\Siskiyou County], page 30

Judy Ruprecht, Badge & Records (SSA & FAI Awards) [Awards], page 36

Peter King, The Air Conditioned Sailplane (Feature Article) [Physiology\Heat], page 40

George Thelen, Mixed Emotions (Safety Corner) [Safety], page 42

### **December**

Greg Cook, John Sinclair flies his LS-7 at the 15-Meter Nationals (Cover) [Cover; Competitions\John Sinclair; Sites\Montague]

Larry Sanderson, A Lifetime of Soaring - And Beyond (President's Column) [Editorial\SSA Foundation], page 2

2nd Lt Brian Burke, A Debt of Gratitude (Soaring Mail) [Military\USAF], page 3

Jan W. Steenblik, *Uvalde at Sunset* (Soaring Mail) [Soaring Society of America\Soaring Magazine\Mark Keene], page 3

Jim Vickery, *Memories Are Made of This* (Soaring Mail) [*History\Seniors; Sailplanes\Schweizer\SG-2; Sailplanes\Schweizer\2-22*], page 3

Bob Boehnke, Spruce-Up Time (Soaring Mail) [Maintenance and Improvements], page 4

R. Jan Martin, A Good Plug for Soaring (Soaring Mail) [Sailplanes\Puchacz], page 4

David Martin, Correction Noted (Soaring Mail) [Competitions\Region 9], page 5

Jennifer Mulligan, A Tribute to Gren (Soaring Mail) [People\Gren Seibels], page 5

Dean Carswell, TSA Repeats Seminar Success (Soaring in Action) [Affiliates, Chapters, and Clubs\TSA], page 7

Gerard Pahl, CG-4A at Kalamazoo Museum (Soaring in Action) [History\Museum; Sailplanes\CG-4A], page 7

Larry Sanderson, SSA Holiday Office Schedule (Soaring in Action) [Soaring Society of America], page 7

Bruce Carmichael, 1998 Symposium on Motorgliders and Self-Launching Sailplanes (Soaring in Action) [Motorgliders\Symposium], page 8

Final Glide (Soaring in Action) [Obituaries], page 8

Patrick Cummins, Rebirth of a Glider: In Memory of Frank Lilly (Soaring in Action) [Sailplanes\Schweizer\SGS 2-22\Frank Lilly], page 9

CAP Release, Local Cadets in Flight Training (Soaring in Action) [Affiliates, Chapters, and Clubs\CAP\Youth], page 10

Kai Gertsen, Region 3, Dansville, New York (Soaring in Action) [Competitions\Region 3; Sites\Dansville], page 11

John Duprey, Region 9 Sports Class Contest (Soaring in Action) [Competitions\Region 9; Sites\Peak Soaring], page 13

Jennifer Mulligan, Region 4 South Contest (Soaring in Action) [Competitions\Region 4; Sites\New Castle], page 14

Bob Wander, (The Buzz), page 16

Frank Reid, Thermaling Safety (Instructors' Corner) [Instruction], page 17

Jeff Daye, The 1998 1-26 Championship- A View from the Bottom of the Gaggle (Feature Article) [Sailplanes\Schweizer\SGS 1-26; Competitions\SGS 1-26; Sites\Harris Hill], page 18

Joseph Baer, Pattern Speeds, Gusts and Stall/Spin Accidents (Feature Article) [Safety\Instruction], page 24

Jackie Payne, Hilton's Heaven (Feature Article) [Sites\Hilton Ranch], page 28

Carla Page, *The National Soaring Museum Celebrates a Successful 1998* (Feature Article) [Museum], page 32

Judy Ruprecht, Badge & Records (SSA & FAI Awards) [Awards], page 36

George Thelen, Cell Phone Saviour (Safety Corner) [Safety\Communications], page 40

### 1999

# January

Sailplane on Tow (Cover)

Larry Sanderson, The SSA in 1999 68 Years Young (President's Column) [Editorial], page 2

Barry Muhlenberg, Impressive Solo (Soaring Mail) [First Solo\Kai Muhlenberg], page 3

Pete Donath, Diamond Hopes (Soaring Mail) [Badges], page 3

Phil Petmecky, Airport Appreciation Day (Soaring Mail) [Clubs\Houston], page 3

William R. McElwee, Auto Tow Remembered (Soaring Mail) [Launching\Autotow], page 4

James W. Swinnich, NSM Collection Update (Soaring in Action) [Museum], page 5

Manfred Reinhardt, New 2,000 Km Flight Award Announced (Soaring in Action) [Awards], page 5

Patricia Valdata, WSPA Asking for Bids (Soaring in Action) [WSPA], page 5

Bill Kenyon, Nutmeg and the Ridge (Soaring in Action) [Clubs\Nutmeg], page 6

John Campbell, Mile High Soaring (Soaring in Action), page 8

Bill Ard, Announcing the New Motorglider (Soaring in Action) [Motorglider \Russia], page 9

Janett Sorrell, The 20th Annual Women Soaring Pilots Seminar (Soaring in Action) [WSPA], page 9

New Motorglider from Germany Announced (Soaring in Action) [Motorglider\Carat], page 11

Bob Wander, (The Buzz), page 12

Final Glide (Soaring in Action) [Obituaries], page 12

Frank Reid, Canopy Closed and Locked -- Not Good Enough (Instructors' Corner) [Training], page 13

SSA Government Liason Committee, Extension for FAA Exemption No. 4988 by SSA Government Liason Committee (Feature Article) [Federal Aviation Administration], page 14

The 1999 Officers and Directors of the Soaring Society of America, Inc. (Feature Article) [Soaring Society of America], page 15

The 1998 U.S. Nationals and Regional Soaring Champions (Feature Article) [SSA\Champions], page 16

François Pin, The First U.S. World Class National Championships (Feature Article) [Competition\TSA; World Class], page 18

Tom Bradbury, Winds Aloft and the Weather Below-Part 2 (Feature Article) [Meteorology], page 22

Gerhard Marzinsik with comments by David Welles, A Far Cry from Being an Old Timer (Feature Article) [Sailplanes\Glasflugel 304], page 30

Badges & Records (SSA & FAI Awards) [Awards], page 36

Billy Singleton, NTSB Summaries (Sailplane Safety) [Safety], page 42

## **February**

John Sullivan, ASW-20 at Air Sailing (Cover) [Soaring Site\Air Sailing]

Larry Sanderson, *Hail to the Victors* (President's Column) [Editorial], page 2

Billy Singleton, SSF Response (Soaring Mail) [Safety], page 3

Paddy Welles, Kiss, She Says (Soaring Mail), page 3

Adam Harris, What a Ride! (Soaring Mail) [Training], page 4

Edward E. Hindman, D-Day Tug Pilot (Soaring Mail), page 4

Siegfried Samson, Anyone Interested? (Soaring Mail), page 4

Chris Schnier, A Happy Participant (Soaring Mail) [WSPA], page 5

Glen D. Klingshirn, *Correction Noted* (Soaring Mail) [Magazine], page 5

Jaime P. Alexander, A Question Raised (Soaring Mail) [Magazine], page 5

Joseph Baer, And the Response (Soaring Mail) [Magazine], page 6

Paddy Welles, An Asset to Soaring (Soaring Mail) [Youth], page 6

Jack Wyman, Region 6 North Contest (Soaring in Action) [Competition\Region Six], page 7

Tom Knauff, Robison Awarded Bultman Scholarship (Soaring in Action) [Scholarship\Bultman], page 7

Thomas Pressley, Region 10 South Plains Soaring Challenge 1998 (Soaring in Action) [Competition\Region Ten], page 9

Final Glide (Soaring in Action) [Obituaries], page 9

Linn Buell, IVSM-2000 in Elmira Again (Soaring in Action) [Vintage\IVSM-2000; Elmira], page 10

International Gliding Competition Hockenheim, Germany (Soaring in Action) [Competition\Germany], page 10

Bob Wander, Our Dinner with Derek & Maria (The Buzz), page 11

Karl Striedieck, (Competition Commentary) [Competitions], page 12

Frank Reid, Recognize and React (R & R) (Instructors' Corner) [Training], page 13

Bob Whelan, *Hangin' In There! Thoughts on Mastering Your Crisis of Faith* (Feature Article), page 16 Bob and Lynne Davis, *Tennessee Pioneers in Aviation* (Feature Article) [*History*], page 22

Peter Neumann, *Miles and Miles of Nothing but Miles and Miles!* (Feature Article) [X-C Soaring], page 30

George Thelen, The Reviews Are In (Safety Corner) [Safety], page 36

Tom Pressley, Flight Logs on a Budget (Feature Article), page 40

### March

Yasuhiro Yama, Sailplane Aerobatics at an Air Show (Cover) [Air Show]

Larry Sanderson, She's Baaack (President's Page) [Editorial], page 2

Eckart Wienb, He Had a Good Time (Soaring Mail), page 3

M. Duff Davis, *Thanks for Sharing* (Soaring Mail) [Safety], page 4

Michael A. Glass, A Grateful Cadet (Soaring Mail) [Youth\CAP], page 4

Jim Culp, Revive the Glenn Curtiss Method (Soaring Mail) [History], page 5

Lars Ottesen, Sounds Interesting (Soaring Mail), page 5

Tom Ross, A Grateful Dad (Soaring Mail) [Youth], page 5

Bud Brown, Second Annual Midwest Vintage Soaring Regatta (Soaring in Action) [Competition\Vintage], page 7

Frauke Elber, 1999 Women's Soaring Seminar (Soaring in Action) [WSPA], page 7

Francis van Haaf, Junior Gliding Update (Soaring in Action) [Youth], page 9

John Lawrence, 1999 Civil Air Patrol Glider and Balloon Academy (Soaring in Action) [CAP], page 9

Larry Howell, CAP Returns to Sailplane Enterprises in Force (Soaring in Action) [CAP], page 9

Ted Grussing, STC Issued for PW-5 (Soaring in Action) [Sailplanes\PW-5], page 9

Final Glide (Soaring in Action) [Obituaries], page 9

Jon McKinley, 2000 Calendar and Fron Cover Photo Submissions (Soaring in Action) [Magazine\Calendar], page 10

Bob Wander, Officer, The Wind Quit Department: (The Buzz), page 11

Frank Reid, Fly the Plane! (Instructors' Corner) [Training], page 12

Larry Sanderson, www.ssa.org (Feature Article) [On-line], page 14

Tom Bradbury, Route Planning Problems (Feature Article) [Meteorology], page 20

Richard H. Johnson, including comments by Dean Carswell, A Flight Test Evaluation of the Duo Discus (Feature Article) [Aerodynamics\Flight Tests], page 28

Jim Kellet, The Cirrus: A Classic Case (Feature Article) [Sailplanes\Cirrus], page 34

George Thelen, Puchacz (Safety Corner) [Safety], page 38

Peter Yost, Choices (Feature Article) [Youth], page 40

Joan T. Hollier, From the Passenger's Seat (Feature Article) [Family], page 44

### April

Tom Knauff and Doris Grove, The Making of "The Thomas Crown Affair" (Cover) [Movies]

Larry Sanderson, My New Motto (President's Column) [Editorial], page 2

Pedro de la Serna, Danger at the Wingtip (Soaring Mail) [Safety], page 3

Sergio Colacevich, At Least Every 4 Seconds (Soaring Mail) [Safety], page 3

Billy Singleton, SSF Responds (Soaring Mail) [Safety], page 4

Blake Hiller, Learning to Soar (Soaring Mail) [Training], page 4

Ken Arterburn, Way to Go, Ed (Soaring Mail) [Club], page 5

Steve Fischer, Young Eagles a Hit (Soaring Mail) [Youth], page 5

Thor Sigurd Peterson, He Knows! (Soaring Mail) [Magazine], page 5

Mick Westbrook, A Great Birthday Present (Soaring Mail) [Training], page 6

Ray Temchus, EPVA Extends Appreciation (Soaring Mail) [Freedom's Wings], page 6

Sam Giltner, Thanks, SSA! (Soaring Mail) [Soaring Society of America], page 7

Bill Ard, Russia AC-4 Kit Due Soon (Soaring in Action) [Sailplanes\Russia AC-4], page 9

John and Luan Walker, Lift 2000 (Soaring in Action) [Conventions\Albuquerque], page 9

Minden Soaring Club, Preserve Minden (Soaring in Action) [Soaring Sites\Minden], page 9

Nancy Graham, Call for Nominations -- 1999 (Soaring in Action) [Soaring Society of America], page 10

Final Glide (Soaring in Action) [Obituaries], page 10

Roger Harris, *Book Review: Only Seconds to Live: Pilots' Tales of the Stall and the Spin by Dunstan Hadley* (Soaring in Action) [*Literature*], page 11

Ron Clarke, Sequatchie Soaring Closes (Soaring in Action) [Soaring Site\Sequatchie Valley], page 11

Bob Wander, Chapter 25 (The Buzz) [EAA], page 12

Ted Grussing, Update on PZL Agent (Soaring in Action) [Sailplanes], page 12

Frank Reid, Dehydration (Instructors' Corner) [Training\Safety], page 13

Tom Knauff, Making "The Thomas Crown Affair" (Feature Article) [Movies], page 14

Lynne and Bob Davis, Soaring Takes Root in Tennessee (Feature Article) [Soaring Sites\Tennessee], page 20

Richard H. Johnson, *A Flight Test Evaluation of the SZD-56-1* (Feature Article) [Sailplanes\SSZD-56-1; Aerodynamics\Flight Tests], page 24

Judah Milgram, Flight Testing Sailplanes at the 1998 Idaflieg Summer Meet (Feature Article) [Aerodynamics\Flight Tests], page 34

Arleen Coleson, Badge & Records (SSA & FAI Awards) [Awards], page 41

Billy Singleton, April Newsletter (Sailplane Safety) [Safety], page 44

### May

Paul Maze, Sailplane over Knoxville (Cover) [Sailplane\Stemme]

Larry Sanderson, Words Live On (President's Column) [Editorial], page 2

Bernd Scheffel, Another Cirrus (Soaring Mail) [Sailplanes\Cirrus], page 3

Paul Maze, What a Convention (Soaring Mail) [Conventions\Knoxville], page 3

Bill Ard, Thank You Knoxville (Soaring Mail) [Conventions\Knoxville], page 4

Dominic Finch, Anyone Interested? (Soaring Mail), page 4

John Scott, It's Up to You (Soaring Mail), page 4

Bernald Smith and Carl Herold, World Distance Award (Soaring in Action) [Awards], page 5

John Lawrence, CAP Glider Familiarization Course (Soaring in Action) [CAP], page 5

John Campbell, Youth Scholarships (Soaring in Action) [Scholarships\Youth], page 7

Final Glide (Soaring in Action) [Obituaries], page 7

Jan Scott, A Golden Anniversary (Soaring in Action) [History], page 8

Sweepstakes Winners Announced (Soaring in Action) [SSA\US Team], page 9

Raul Blacksten, Sailplanes by Schweizer: A History by Paul A. Schweizer and Martin Simons (Soaring in Action) [Literature], page 10

Book Review: Falkenhorst, The Scheibe Aircraft Story by Gerd Zipper (Soaring in Action) [Literature], page 10

Bob Wander, (The Buzz), page 12

Frank Reid, One Last Check (Instructors' Corner) [Training], page 12

Karl Striedieck, The MAT (Competition Commentary) [Competitions], page 13

Sharon Smith, (Head's Up) [Airspace], page 14

Chuck O'Mahony, TN Was a Ten! The 1999 SSA Convention in Knoxville (Feature Article) [SSA\Convention], page 16

Tom Bradbury, Blue Days in Summer (Feature Article) [Meteorology], page 24

Richard H. Johnson, A Flight Test Evaluation of the Discus 2B Standard Class Racer (Feature Article) [Sailplanes\Schempp-Hirth\Discus 2B; Aerodynamics\Flight Tests], page 32

Bob Lacovara, A Most Qualified Wing Runner (Feature Article), page 38

Arleen Coleson, Badge & Records (SSA & FAI Awards) [Awards], page 40

George Thelen, Déjà vu- All Over Again! (Safety Corner) [Safety], page 46

#### **June**

John Latson, Restored TSA Schweizer SGS 2-33 (Cover) [Sailplanes\Schweizer 2-33]

Larry Sanderson, SSA Elections (President's Column) [Editorial], page 2

Jim Kellett, Note Correction (Soaring Mail) [Sailplanes\Cirrus], page 3

Karin Schlosser, Stunt Double Correction (Soaring Mail) [Movies], page 3

Mark Kennedy, "Soaring Mail" Policy Outlined (Soaring Mail) [Magazine], page 3

Skip Pease, Need Writers (Soaring Mail) [Magazine], page 4

Burt Compton, The Thomas Crown Affair (Soaring in Action) [Movies], page 5

Dick Johnson, 1999 Marfa Report (Soaring in Action) [Soaring Sites | Marfa], page 5

Michael Fadden, South Jersey at Kids Fair (Soaring in Action) [Youth], page 5

Charlie Spratt, 1998 Lincoln Award Winner (Soaring in Action) [Awards\Lincoln], page 7

Cyndi Stephenson, Contest Site Selection Deadline (Soaring in Action) [Competitions], page 7

Final Glide (Soaring in Action) [Obituaries], page 7

New Product (Soaring in Action) [Training\Diamond; PC], page 7

Suzanne Moffat, 1999 Senior Soaring Championship (Soaring in Action) [Competition\Senior], page 8 George Moffat, A Look at the Planes (Soaring in Action) [Sailplanes], page 9

Cyndi Stephenson, Contest Rules Committee Election (Soaring in Action) [Competition\Rules], page 10

Bob Hurni, World Class Championships in Leszno (Soaring in Action) [Competition\World Class; Lezno], page 11

Mark Kennedy, Update on World Distance Award (Soaring in Action) [Awards], page 11

Bob Wander, The World Class Glider Nationals (The Buzz) [Competitions], page 12

Frank Reid, The Black Spot in the Spot Landing Concept (Instructors' Corner) [Training], page 13

Russ McAnerny, A Pilot Evaluation of the Ball Sailplane Comp (Feature Article) [Equipment\Instruments], page 14

Bob Leve, Pilots, Planes and Privies (Feature Article) [Humor], page 16

Mark H. Morton, A Contest Cross-Country: Just Do It (Feature Article) [Competitions], page 20

Linda Hiller, A Mother's View (Feature Article) [Scholarship\Youth], page 24

Kevin Ferguson and Lou Frank, Chasing Lou/The Other Side of the Coin (Feature Article) [Crews], page 28

Bruce Carmichael, *The Light Sailplane: The Path to Microlift Soaring* (Feature Article) [Sailplanes], page 32

William Gerhard, Aeronautical Antique (Feature Article) [History], page 38

Arleen Coleson, Badge & Records (SSA & FAI Awards) [Awards], page 40

George Thelen, Dear Flabby (Safety Corner) [Safety], page 46

### July

Mark Keene, *Chip Garner Soaring Over Uvalde as the Rain Started* (Cover) [*Competition\Uvalde*] Larry Sanderson, *Not Hannes!* (President's Column) [*Editorial*], page 2

A.W. Burton, Help in Finding Poem (Soaring Mail) [Poetry], page 3

Jack Boyle, Thanks, Billy (Soaring Mail) [Safety], page 3

Ron and Thea Clarke, *Really*, *No Bull!* (Soaring Mail) [*Poetry*], page 3

Bob Moore, Hummingbird Finds New Home (Soaring In Action) [Sailplanes\Hummingbird], page 5

Burt Compton, New Release Date August 11 (Soaring In Action) [Movies], page 5

Burt Compton, SSA at EAA Oshkosh (Soaring In Action) [Oshkosh], page 5

Larry Sanderson, Nominations for the Soaring Hall of Fame (Soaring In Action) [Soaring Society of America], page 5

Michael Adams, Safety Devices for L'Hotellier (Soaring In Action) [Safety], page 7

Final Glide (Soaring In Action) [Obituaries], page 7

George Powell, Book Review: A Glider Pilot Bold by Wally Kahn (Soaring In Action) [Literature], page 8

Dennis Butler, Western Seniors Competition (Soaring In Action) [Competition\Seniors; Estrella], page 9

Bob Wander, Thank Your Local CFIG (The Buzz) [Training], page 11

Sharon Smith, National Airspace Redesign (Head's Up) [Airspace], page 11

Frank Reid, Getting Lost (Instructors' Corner) [Training], page 12

Ron Martelet, Lift is Where You Find It (Feature Article) [Motorglider], page 14

Bernald Smith, It's Hard to See Through a Damaged Canopy (Feature Article) [Safety], page 16

Tom Bradbury, Thermal Prediction from the Tephigram (Feature Article) [Meteorology], page 20

Andy Houloubek, Returning (Feature Article), page 28

Raul Blacksten, from interview of Warren Merboth, *Albatross Over New York* (Feature Article) [*History*], page 36

Arleen Coleson, Badge & Records (SSA & FAI Awards) [Awards], page 40

Billy Singleton, July Newsletter (Sailplane Safety) [Safety], page 44

# August

Doug Bell, Winch Launch in Australia (Cover) [Winch\Australia]

Larry Sanderson, Of Heroes and Full Circles (President's Column) [Editorial\Bill Ivans; Don Engen], page 2

Jim Spontak and Arthur Babiarz, Glider Fun Fly-In (SSA Mail) [Competitions], page 3

Karl Striedieck, Credit Where Credit is Due (SSA Mail) [Competition\Seniors], page 3

Miles Lemon, Help for Chicken Little (SSA Mail), page 3

Steven A. Stunick, Never Too Young (SSA Mail) [Youth], page 4

Thor Sigurd Peterson, Thanks for the Safety Tips (SSA Mail) [Safety], page 4

Brian Hudnut, Stemme USA Schedules Summer Tour (Soaring In Action) [Sailplanes\Stemme], page 5

Terry Cubley, Club Class World Competition (Soaring In Action) [Competition\Club Class], page 5

Vitek Siroky, Book Review: The Handbook of Glider Aerobatics by Peter Malinson and Mike Woollard (Soaring In Action) [Literature], page 5

Gary Kemp, 1999 Region 11 Contest (Soaring In Action) [Competitions], page 6

Peter Selinger, New Sailplane Recuse System Tested Successfully (Soaring In Action) [Safety], page 6

Vitek Siroky, Aerobatic Team Plans Tour (Soaring In Action) [Aerobatics], page 7

Vitek Siroky, Book Review: History and Evolution of the Glider by Giorgio Zanrosso (Soaring In Action) [Literature\History], page 7

Bob Thompson, Flightpro Software (Soaring In Action) [Software], page 8

Final Glide (Soaring In Action) [Obituaries], page 8

1999 Directors' Election Nominations (Soaring In Action) [Soaring Society of America], page 9

Tom Knauff, Glider Flight Instructor Conference (Soaring In Action) [Instructors], page 10

Bob Wander, Gotta Go To Alaska! (The Buzz) [Training], page 11

Karl Striedieck, The GPS Start (Competition Commentary) [Competitions], page 12

Frank Reid, Fly Safely! (Instructors' Corner) [Training], page 13

Chuck O'Mahony, 1999 Open and 18-Meter Class!!! Championships (Feature Article) [Competition\Mifflin County], page 14

Bill Whelan, Rent vs. Buy (Feature Article), page 22

David Brunner, Patience Pays Off (Feature Article) [Badges\SGS 1-26], page 28

Stephen Hundley, Taos '98 (Feature Article) [Soaring Sites\Taos], page 30

Keith M. Ashfield, An Andes Alternative (Feature Article) [Soaring Sites\Argentina], page 34

Curtis J. Cole, *The Pawnee Plow* (Feature Article), page 36

Arleen Coleson, Badge & Records (SSA & FAI Awards) [Awards], page 40

George Thelen, What's Wrong With This Picture?? (Safety Corner) [Safety], page 44

### **September**

Greg Cook, Sailplane Releases Ballast (Cover) [Sailplanes\ASW-24]

Larry Sanderson, The Changing Face of the SSA (President's Column) [Editorial], page 2

Billy Hill, A Thankless Job (Soaring News) [Competitions], page 3

Editor, Reply to A Thankless Job (Soaring News) [Competitions], page 3

John Beavers, Need to be Seen (Soaring News), page 3

Anthony Turiano, A Few More Historical Points (Soaring News) [History], page 4

John Duprey, Reply to Thanks Peak Soaring (Soaring News) [Commercial Operation], page 4

John Good, Reply to Need to be Seen (Soaring News), page 4

Tom Serkowski, Thanks Peak Soaring (Soaring News) [Commercial Operation], page 4

Bob Greenblatt, GPS in Soaring Contests (Soaring News) [Instruments\GPS], page 5

Brent Smith, Deployment System (Soaring News) [Safety], page 5

Editor, Reply to Deployment System (Soaring News) [Safety], page 5

Gene Hammond, Reply to GPS in Soaring Contests (Soaring News) [Instruments\GPS], page 6

Juanita Koilpillai, A Field of Thirty-One (Soaring News) [Competition\Region 4], page 6

Michael Steckner, Sailplane Storage System (Soaring News) [Hangars], page 6

Jeff Owen, New Diamond Aircraft Center (Soaring News) [Sailplanes\Diamond], page 8

Vitek Siroky, 1999 Blanik Fun Meet (Soaring News) [Blanik], page 8

Jim Price, Region 6 South Contest Report (Soaring News) [Competition\Region 6; Caesar Creek], page 9

Bob Nady, The World Class Nationals ad Region 7 Blowout (Soaring News) [Competitions], page 10

John Duprey, *Great Soaring -- No Bull! Region 9 Contest Report* (Soaring News) [Competition\Region 9; Fremont], page 10

Frank Reid, Positive Control Checks (Instructors' Corner) [Training], page 13

Vladislav Zedja, *Dangerous Storms and the Pursuit of a World Record* (Feature Article) [*Records\Australia*], page 14

Tom Bradbury, Wind Shear and Waves (Feature Article) [Meteorology\Wind], page 20

Paddy Welles, More Nines in 99 (Feature Article) [Competition\Sports; Elmira], page 30

Doug Levy and George Powell, Sierra Safari (Feature Article) [X-C Soaring\SGS 1-26], page 36

Arleen Coleson, Badge & Records (SSA & FAI Awards) [Awards], page 40

George Thelen, *How to Crash Confidently The Reality of Spatial Disorientation* (Safety Corner) [Safety], page 44

CAP Encampment (Milestones) [CAP], page 47

Final Glide (Milestones) [Obituaries], page 47

Lake Elsinore Soaring Club Youth Program (Milestones) [Youth\Clubs; Lake Elsinore], page 47 Too Old to Crew? (Milestones), page 47

# October

Chuck O'Mahony, Collage of Photos from WGC (Cover) [U.S. Team\WGC]

Larry Sanderson, *The Lilienthal Medal Soaring's Highest Honor* (President's Column) [*Editorial*\Oran Nicks], page 2

Norman H. Ellison, World Class Contests (SSA Mail) [Competition\World Class], page 3

Phil Jarvis Newbury, Chicken Little Comments (SSA Mail), page 3

John Joss, Minden Fatality (SSA Mail) [Fatality], page 4

Steve Wasilowski, Sky Soaring Needs Your Help (SSA Mail) [Sky Soaring], page 4

Vincenzo Pedrielli, *Tehachapi -- '99 VSA Western Regatta* (Soaring News) [*Vintage\Tehachapi*], page 5

Bungee Cord (Soaring News) [VSA], page 5

Chris Schnier, 1999 WSPA Seminar (Soaring News) [WSPA], page 6

David Treinis, Genesis 2 Enters Serial Production (Soaring News) [Sailplanes Genesis 2], page 6

Chris Schnier, Regina Wright (Soaring News) [Awards], page 7

Ron Ferguson, Region 8 Contest Report (Soaring News) [Competition\Ephrata], page 8

George Taylor, 10 Days at Owl Canyon and All I Got Was This Lousy T-Shirt (Soaring News) [CAP], page 9

Serge Krauss, Review of History of Marske Flying Wings Video (Soaring News) [Video | Marske Flying Wing], page 9

Jason Nunez and Unknown Lunsford, Jr., Kids and Summer Fun (Soaring News) [Youth\California City], page 10

Frank Reid, Who's the Boss? (Instructors' Corner) [Training], page 13

Chuck O'Mahony, *The Twenty-Sixth World Gliding Championships* (Feature Article) [Competition\Bayreuth; World], page 14

Paul A. Schweizer, The Heritage Campaign (Feature Article) [Museum\Donations], page 22

Derek Piggott, Some Ideas On Teaching Turning (Feature Article) [Training], page 26

Jim Payne, Using a GPS to Soar Safely and Have Fun (Feature Article) [Equipment\GPS], page 30

Sue McNay, Just Do It! (Milestones) [Training], page 38

Final Glide (Milestones) [Obituaries], page 38

Cliff Robertson, Quiet Men on Quiet Wings [Poetry\Bill Ivans; Don Engen], page 39

Arleen Coleson, Badge & Records (SSA & FAI Awards) [Awards], page 40

Billy Singleton, October Newsletter (Sailplane Safety) [Safety], page 44

#### November

David Treinis, SZd-55 Maiden/Test Flight (Cover) [Sailplanes\SZD-55; Poland]

Larry Sanderson, You Speak, Others Listen (President's Column) [Editorial], page 2

Bob Greenblatt, Navigation Skills (SSA Mail) [Navigation], page 3

Paul Maze, What an Unlikely Place for a Glider? (SSA Mail), page 3

Tom Hardy, Fond Memories of Similar Experience (SSA Mail), page 3

Cindy Brickner, Soaring Covers (SSA Mail) [Magazine], page 4

David M. Ellis, Sailplane Rescue System (SSA Mail) [Safety], page 4

Jon McKinley, Reply to Soaring Covers (SSA Mail) [Magazine], page 4

Larry Sanderson, SSA Board Minutes Available on the Internet (Soaring News) [Soaring Society of America], page 5

Peter F. Selinger, *Progress Report Streifeneder Glider Recovery System* (Soaring News) [Safety], page 5

Rand Baldwin, *The 1999 Region 5 South Contest at Cordele, Georgia* (Soaring News) [Competition\Cordelle], page 5

Genesis 2 Receives Lithuanian Type Certificate (Soaring News) [Sailplanes\Genesis 2], page 5

Alexis Glynn Latner, Local Heroes: The 1999 Region 10 Contest (Soaring News) [Competition\Little-field], page 7

Chuck Lohre, Schleicher Announces New Integral Wing Water Tanks (Soaring News) [Sailplanes\ASW-28b], page 7

Vitek Siroky, Let L-13 AC Blanik Received FAA Type Certificate (Soaring News) [Sailplanes\Blanik L-13], page 7

Bill Ard, Ready for the Millennium (Soaring News) [Sailplanes\Russia], page 8

John Good, SSA Competition Rules Sub-Committee Election (Soaring News) [Competition\Rules], page 8

John Murray, Cambridge Aero Instruments Offer (Soaring News) [Instruments], page 9

Lloyd Watson, Marske Flying Wing (Soaring News) [Sailplanes\Marske], page 9

Members Elect Regional Directors (Soaring News) [Soaring Society of America], page 9

SSA Elects Officers for 1999/2000 (Soaring News) [Soaring Society of America], page 9

Six Elected as Director-at-Large for 2000 (Soaring News) [Soaring Society of America], page 9

Frank Reid, Tow Pilots -- A Treasure We Need to Preserve (Instructors' Corner) [Training], page 11

Knauff & Grove Merchandise Catalog (Feature Article) [Equipment], page 12

Tom Bradbury, Wind Shear and Waves (part 2) (Feature Article) [Meteorology\Wind], page 20

Elden Hinkle, The Standard Class Nationals (Feature Article) [Competition\Minden], page 26

The Official World Soaring Championships Score Sheet (Feature Article) [Competition\Bayreuth],

page 35

George Thelen, Mind Set (Safety Corner) [Safety], page 36

A. Peter Hilger, First Solo (Milestones) [First Solo Youth; Ryan Hilger], page 39

Joe Volmar, A Perfect Knight Flight (Milestones), page 39

John Smoots, A Notable Occasion (Milestones) [First Solo\Youth; Juliana Volcheck], page 39

Final Glide (Milestones) [Obituaries], page 39

Arleen Coleson, Badge & Records (SSA & FAI Awards) [Awards], page 40

Millennium Merchandise The 1999-2000 Soaring Catalog (Feature Article) [Equipment], page 43

#### **December**

John Duprey, Sailplane and Mountains (Cover) [Sailplanes\LS-3A; Mountains]

Larry Sanderson, A Flash of Wings (President's Column) [Editorial], page 2

Bill Whelan, Reply to Own vs. Rent (SSA Mail), page 3

Chris Wrate, Own vs. Rent (SSA Mail), page 3

Daniel L. Johnson, Correction and Clarification (SSA Mail) [Safety], page 3

Hugh Colton, Embrace Technology (SSA Mail) [Technology], page 4

Jim Brewster, Slight Omission (SSA Mail) [Safety], page 4

John Good, Reply to Embrace Technology (SSA Mail) [Technology], page 4

Bill Ard, Ballistic Parachutes (SSA Mail) [Equipment], page 5

Billy Singleton, Reply to Slight Omission (SSA Mail) [Safety], page 5

David MacVeigh, Pay Attention! (SSA Mail) [Safety], page 5

Gordon Glover, Disservice to Readers (SSA Mail) [Safety], page 5

Larry Sanderson, Reply to Disservice to Readers (SSA Mail) [Safety], page 5

Bill Ard, Russias in the World Class (SSA Mail) [Sailplanes\Russia; World Class], page 6

Editor, Reply to Russias in the World Class (SSA Mail) [Sailplanes\Russia; World Class], page 6

Vitek Siroky, New Distributor for Blanik America (SSA Mail) [Sailplanes\LAK], page 6

Dick Horn, 1999 Air Sailing Sports Class Contest (Soaring News) [Competition\Air Sailing], page 7 Introducing the ASW-28 (Soaring News) [Sailplanes\ASW-28], page 7

Dave Treinis, Discover Gliders Video Wins Three Prestigious Awards (Soaring News) [Awards\Video], page 8

David Treinis, Genesis 2 Special Price Announced (Soaring News) [Sailplanes\Genesis 2], page 8

Dick Johnson, 10,000 Feet and Climbing - The Aviation Adventures of Richard E. Schreder (Soaring News) [Literature], page 8

Editor, SSA Office Hours (Soaring News) [Soaring Society of America], page 8

Charlie Spratt, New Castle Contest (Soaring News) [Competition\New Castle], page 9

Patrick L. McLaughlin, New Model EDS-D1 (Soaring News) [Equipment\Oxygen], page 9

Bob Eli, Texas PW-5 Club (Soaring News) [Clubs\Texas PW-5], page 10

John Cochrane, Region 7 Contest (Soaring News) [Competition\Albert Lea], page 10

Bruce Roberts, New Product -- The Tie Down That Will (Soaring News) [Equipment\Tie Downs], page 11

Jack Wyman, Region 6 North Contest, Ionia, Michigan (Soaring News) [Competition\Ionia], page 11

Karl Striedieck, The Crewless Pilot (Competition Commentary) [Competition\Crewing], page 13

Sharon Smith, Heads Up [On-line], page 14

Frank Reid, The Incident at Jonesboro (Instructors' Corner) [Training], page 15

Clarence See as told to and edited by Raul Blacksten, *I Rescued The Orlik* (Feature Article) [History\Sailplanes; Orlik], page 16

Allen Silver, Take Care of your Parachute so It Can Take Care of You (Feature Article) [Equipment\Parachutes], page 20

Bob Dittert, 1-26s + Rain = Championship (Feature Article) [Competition\Hobbs; 1-26], page 24

Dottie Thomas-Pin and George Kulesza and Bernadetta Litowska and Conrad Suechting, *The Adventures, in Pictures, of a Crew at the 2nd World Gliding Championships of the World Class* (Feature Article) [Competition\World Class], page 30

Tim Hanke, The 1st FAI World Junior Gliding Championships (Feature Article) [Competition\Terlet; World Junior], page 34

Paul Maze, A Real Milestone (Milestones) [Romance], page 39

Robert A. Smith, Sean Smithh's Private Glider License (Milestones) [Training\Sean Smith], page 39 Final Glide (Milestones) [Obituaries], page 39 Arleen Coleson, Badge & Records (SSA & FAI Awards) [Awards], page 40 George Thelen, Checklists (Safety Corner) [Safety\Checklists], page 44