

Soaring Magazine Index for 1989/1989 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 '[]'.*

1989

January

- Vic Haynes, *Lift is Where You Find It, photo of Longs Peak, Colorado, May 1988* (Covers)
- Paul Sampson, *Sorry, Charlie Dobkins (1-26 Nationals Author)* (Letters) [Errata; Affiliates, Chapters, and Clubs\1-26 Association; Sailplanes\Schweizer\SGS 1-26], page 2
- Rudy Brozel, *Total Energy Probe Testing: a Response, and Explanation* (Letters) [Instruments], page 2
- Albert Stirling, *Question on Spins* (Letters) [Stalls/Spins], page 3
- Phil Surridge, *More on Compensation* (Letters) [Instruments], page 3
- Rev. Thomas E. Lejsek, *Help for Youth (Civil Air Patrol)* (Letters) [Solicitations; Affiliates, Chapters, and Clubs\Civil Air Patrol], page 3
- Dave Woods, *Wave Camp #5 California City, California* (Letters) [Techniques\Wave Flying], page 4
- Mark L. Langenfeld, *Hang Gilding Excellence (Great Flights During Drought)* (Letters) [Hanggliders], page 4
- Vernon Meyer, *Don't Forget the Little Guys! (Hinckley Soaring)* (Letters) [Affiliates, Chapters, and Clubs], page 4
- Bernald S. Smith, *IGC (CIVV) (Special Meeting in October 1988)* (SSA in Action) [International Gliding Commission (IGC)], page 6
- In Memoriam: David H. Scott* (SSA in Action) [Obituaries], page 6
- New News of College Soaring (CSA is Now Tax Exempt)* (SSA in Action) [Affiliates, Chapters, and Clubs\Collegiate Soaring], page 6
- Jack Wyman, *1988 Region Six Contest (Ionia, MI)* (SSA in Action) [Competitions\Regionals], page 8
- NSM Trustees, *NSM Expansion Progress Report (in Photos)* (SSA in Action) [Affiliates, Chapters, and Clubs\National Soaring Museum], page 9
- Bernald S. Smith, *OSTIV (XXII) Congress Reminder* (SSA in Action) [OSTIV], page 10
- George Moffat, *The Robert Robertson Memorial Team Fund* (SSA in Action) [Competitions\World], page 10
- Contest News for Competitors Under Age 25 (Entering European Junior Championships in Camrai, France)* (SSA in Action) [Competitions\International], page 10
- Northern California Site Reports Business as Usual* (SSA in Action) [Sites], page 10
- B.S. Smith, B.M. Ryan, and C.D. Herold, *Possible New Soaring Badge (Cumulative Distance)* (SSA in Action) [Awards\Distance], page 11
- Charlie Spratt, Jr., *Uvalde (TX 1988 Open Class) Nationals Photo Album (with Commentary)* [Competitions\National], page 15
- Mark Palmer, *Black Forest: a Soaring Legend Returns* [Sites\Black Forest], page 24
- Kevin Cousineau, *Diamond Days (at Tehachapi, CA)* [Awards\Badges\Flights; Cross Country Soaring], page 27
- William C. Sproull, *Double Your Vote (Recruit a New Member)* [Growth], page 30
- Janice Hoke, *Epic Soaring Dramatically Staged: 1988 Standard Class Nationals (Minden, NV)* [Competitions\National], page 32
- Mike Hull, *Arizona Wing (Gliding Begins) As told to Trish Durbin* [History], page 38
- Jim Jenista, *The Motorglider Alternative* [Instruction; Motorgliders], page 41
- Norma Ravensborg, *Have Glider Rating, Will Travel - Travelog (of Southern California)* (Travelog) [Sites], page 43

- The NSM, a Century of Soaring History, Expanding to a Second Century* (Affiliates and Divisions) [Affiliates, Chapters, and Clubs\National Soaring Museum], page 44
Larry Sanderson, *Perspective: 1988..Last Year, 1989...This Year* [Soaring Society of America\President's Report], page 46
George Thelen, *Another High Speed Pass, by Rolf Schultze* (Safety Corner) [Safety], page 49
A. Coleson, *FAI Badges and Awards* (FAI Badges) [Awards\Badges], page 51

February

- Glen Stiles, *An ASH-25 in Front of Storm Clouds at the 1988 Open Class Nationals* (Covers) [Sailplanes\Schleicher\ASH-25]
Harold A. Katinszky, *More on Back Support (Pillow)* (Letters) [Physiology\Pilot Comfort; Cockpit], page 2
Lew Neyland, *Credit Where Credit is Due (Old Goat Winner is Pat DeNaples)* (Letters) [Affiliates, Chapters, and Clubs\1-26 Association; Sailplanes\Schweizer\SGS 1-26; Errata], page 2
Steve Hudson, *Growth (of Fault Line Flyers) Discussed* (Letters) [Affiliates, Chapters, and Clubs], page 2
Wayne Krebs, *Jim's the Boss (of Calistoga Soaring)* (Letters) [Errata], page 2
C. Kenneth Kolstad, *Thanks from Kolstad Youth Scholarship Fund to the Friends of Walter Bogie of Leesburg, VA and Ronald Day of Wakefield, MA* (Letters) [Awards\Kolstad Scholarship], page 3
Oran Nicks, *Gliders and Airspace* (Letters) [Airspace], page 3
Jack Fletcher, *Thanks, Robert (Welliever for Your Article)* (Letters) [Credits/Appreciation; Publications], page 4
Robert Keyes, *Sad Response (by SSA Directors to an Unspecified Issue)* (Letters) [Soaring Society of America\Board of Directors Meetings], page 4
Walter Weir, *Eye Danger (of Fiberglass Catalyst) Outlined* (Letters) [Maintenance and Improvements], page 4
Good News for Centrair Owners (SSA in Action) [Sailplanes\Centrair], page 6
In Memoriam: Tom Smith (SSA in Action) [Obituaries], page 6
New Soaring Club (Post Mills) Formed in Vermont (SSA in Action) [Affiliates, Chapters, and Clubs], page 6
New Youth Scholarship (from Soaring Pilot Magazine) (SSA in Action) [Youth], page 6
Eric Mozer, *Contest Board Calls for New Camera* (SSA in Action) [Competitions], page 7
Rick Lafford, *(1988) Region 3 Championships (Danville, NY)* (SSA in Action) [Competitions\Regional], page 7
Pete Williams, *SLSPA Update* (SSA in Action) [Affiliates, Chapters, and Clubs\Self Launching Sailplane Pilot's Association (SLSPA)], page 8
Call to Sailplane Dealers (Company Information Needed) (SSA in Action) [Publications], page 8
In Memoriam: Lynda G. Beran (SSA in Action) [Obituaries], page 8
In Memoriam: Mervin L. Hicks (SSA in Action) [Obituaries], page 8
Dale Fletcher, *Information Requested on Local Awards* (SSA in Action) [Affiliates, Chapters, and Clubs], page 9
Introduction to Soaring (14 minute) Video Tape Now Available (SSA in Action) [Video Tapes], page 9
It's That Time Again (for Calendar Photos) (SSA in Action) [Publications], page 9
Sweden to Bid for 1993 World Gliding Championships (SSA in Action) [Competitions\World], page 9
Virginia M. Schweizer Trophy Announced (SSA in Action) [Awards\Schweizer; Affiliates, Chapters, and Clubs\WSPA], page 9
Roger Brewer, *Soaring Expo '89 (in Seattle)* (SSA in Action) [Conventions, Conferences, and Meetings], page 10
Tom Heinsheimer, *Sailplane LAK-12* (SSA in Action) [Sailplanes\Lak-12], page 10

- US Soaring Team Prepares for World Championships* (SSA in Action) [Competitions\World], page 10
- William C. Sproull, *Annual Report For Fiscal Year Ended October 31, 1988* [Soaring Society of America], page 11
- William C. Sproull, *A Letter from the President* [Soaring Society of America], page 14
- Julie Schneider, *The 1988 Women's Soaring Seminar* (Texas Soaring Association) [Affiliates, Chapters, and Clubs\WSPA], page 16
- Robert Welliever, *Of White Hats and Pretty Girls* [Literature\Fiction; Aerobatics], page 21
- Jan Driessen, *Memories (of Eindhoven Aero Club in Holland)* [History; International\Sites], page 24
- Bob O'Dell, *Sailplane Aerobatics Nationals (1988 at Edna, TX), a Big Success* [Aerobatics], page 26
- 1989 SSA Calendars going fast* [Literature], page 32
- David A. Woods, *To Mt. Whitney and Gold* [Awards\Badges\Flights; Cross Country Soaring], page 33
- Sharon R. Smith, *Ten Years of Women's Soaring Seminars: One Pilot's Perspective* [Affiliates, Chapters, and Clubs\WSPA], page 36
- Peter Masak, *Sailplane (Inflight) Bug Wiper System* (New Products) [Aerodynamics], page 40
- Judy Lincoln, *An SSA Guide to Airspace Operating Agreements* [Airspace], page 41
- Norma Ravensborg, *Have Glider Rating, Will Travel - Travelog (of Winter Vacation Destinations)* (Travelog) [Sites], page 46
- George Thelen, *Borderline Hysterical* (Safety Corner) [Safety; Physiology], page 49
- A. Coleson, *FAI Badges and Awards* (FAI Badges) [Awards\Badges], page 51

March

- John Serafin, *Ray Temchus, a C5 Quadraplegic, Soars in a Grob 103* (Covers) [People\Ray Temchus]
- Les Sebal, *Thoughts on Transponders* (Letters) [Instruments; Airspace; Safety\Collision Avoidance], page 2
- David Andrews, *Safety Device(s in Cockpit)* (Letters) [Cockpit], page 3
- Carl Osojnak, *A Graph for (an Engine for the Woodstock), "Bucky"* (Letters) [Homebuilts; Errata], page 4
- Joseph D. Cain, *Glider Basics to First Flight to Solo, 4th edition, by Tom Knauff* (Letters) [Literature\Book Reviews], page 4
- Alcide Santilli, *Stall/Spin Illustration* (Letters) [Safety\Stalls/Spins; Safety\Patterns and Landings], page 5
- C. Biemond, *Strobe Discussed* (Letters) [Safety\Collision Avoidance], page 5
- Dietrich Loeper, *Reader Upset (No Hidden Jokes, Need Credentials of Authors)* (Letters) [Publications], page 6
- Edre Maier, *Call for Member Involvement (Guided by Directors)* (Letters) [Soaring Society of America\Membership], page 6
- James Dean, *Examine Single (World) Class Concept* (Letters) [Sailplanes\World Class Sailplane], page 6
- (*Special Use Airspace Review by FAA*) (Letters) [Airspace], page 7
- 1988 Region Four South (New Castle, VA)* (SSA in Action) [Competitions\Regionals], page 9
- John Murray, *Schleicher Achieves Further Breakthrough (with Motor Installation for the ASW-24)* (SSA in Action) [Sailplanes\Schleicher\ASW-24; Motorgliders], page 10
- HB-23 Hobbyliner Address* (SSA in Action) [Motorgliders], page 10
- Kolstad Scholarship Winner (for 1988) Announced (Sean Franke)* (SSA in Action) [Awards\Kolstad Scholarship], page 10
- Send Us Your Best (Calendar Photos)* (SSA in Action) [Publications], page 11
- Terry Hurley, *Airlines - One to Six* [Affiliates, Chapters, and Clubs], page 12
- Roger Biagi, *Security in Mountain Flying (the Southeastern Alps)* [Techniques\Mountain

- Soaring*], page 16
Bob Kessler, *Can Anyone Learn to Soar (Even with Handicaps)? Maybe!* [*Affiliates, Chapters, and Clubs\Freedom's Wings*], page 20
Scot Harnish, *Hooked on Soaring*, page 26
Precision Wheel Weighers for Aircraft (New Products) [*Weight and Balance*], page 28
Judy Lincoln, *Perspective: (A Day in the Life of an SSA Volunteer)* [*Soaring Society of America*], page 29
Larry Pardue, *Ground Launch (by Ford)* [*Launching\Autotow*], page 32
Tom Nowicki, *Flying Seminoles Build New Nest* [*Sites*], page 36
Brent Willat, *A First for Sky Sailing!* [*Affiliates, Chapters, and Clubs\Freedom's Wings*], page 40
Doug Jacobs, *Summer Soaring Fantasies (Including a very unscientific look at a new sailplane design, the LS-7)* [*Sailplanes\Rolladen-Schneider\LS-7*], page 41
Raul Blacksten, *Wrong Way('s Curtis Robin) and Me (at an Airshow)* [*Exhibits/Displays/Fairs; History*], page 45
Norma Ravensborg, *Have Glider Rating, Will Travel - Travelog (of the Is: ID, IL, IN, and IA)* (Travelog) [*Sites*], page 47
George Thelen, *Downburst, by Bruce Patton (Safety Corner)* [*Safety; Meteorology*], page 49
Arleen Coleson, *Timing Speed Flights (FAI Badges)* [*Awards\Badges\Requirements*], page 52

April

- G.G. Bawtinhimer, *A Nimbus 3D on a Bright, Sunny Day Ready for Flight; photo by Gary G. Bawtinhimer, M.D. (Covers)* [*Sailplanes\Schempp-Hirth\Nimbus-3D*]
Gary Sauer, *Offers New Service (for Back Issues of Soaring)* (Letters) [*Soaring Society of America\Soaring Magazine*], page 2
Jack Greene, *That Simple Little Tube - Some Comments from "Turbulent" Jack* (Letters) [*Instruments*], page 2
Chip Garner, *A Word on Motorgliders* (Letters) [*Motorgliders*], page 3
Kareem Fahmi, *Avoidance Discussed* (Letters) [*Safety\Collision Avoidance*], page 3
Bekir Arpag, *Attracting Youth to Soaring (with Models)* (Letters) [*Models; Youth*], page 4
Kaya Zuzak, *Call to UCSD (University of California San Diego Soaring Club) Members* [*Affiliates, Chapters, and Clubs\Collegiate Soaring*], page 4
Larry Sharrar, *More on Youth (Auto Launch, Student Exchanges, and Support Requested)* [*Youth\Collegiate Soaring*], page 4
R.W. Carter, *Safety Corner Comments* (Letters) [*Sailplanes\Pilatus B-4; Sailplanes\Design; Instruments*], page 4
Dick Sager, *A Word of Caution (Spins and the 2-33)* (Letters) [*Stalls/Spins; Sailplanes\Schweizer\SGS 2-33*], page 5
Jon P. Salisbury, *Disillusioned (with Risks of Competition)* (Letters) [*Competitions; Safety\Accidents/Incidents; Safety\Collision Avoidance*], page 5
Robert M. Park, *Questions (Meddling) Inspections* (Letters) [*Federal Aviation Administration (FAA); Launching\Towplanes*], page 5
Jack Fletcher, *Use of SAE Class H11 Bolts* (Letters) [*Maintenance and Improvements*], page 6
Phil Cammack, *Needs Help!(Wants Glider Frequencies on Charts)* (Letters) [*Solicitations; Communications*], page 6
Stuart Faber, *Spins Discussed (Including Over-the-Top Spins)* (Letters) [*Instruction; Stalls/Spins*], page 6
I-26 Association on the Move (with New 1989 Executive Board) (SSA in Action) [*Affiliates, Chapters, and Clubs\I-26 Association; Sailplanes\Schweizer\SGS I-26*], page 8
DG-600 Now Type Certificated by LBA (SSA in Action) [*Sailplanes\Glaser-Dirks\DG-600*], page 8

- IGC Bulletin (Bill Ivans elected President of Honour)* (SSA in Action) [People\Bill Ivans; International Gliding Commission (IGC)], page 8
- Marshall Claybourn (1988) Memorial Award (to Ed Thornton)* (SSA in Action) [Awards\Claybourn], page 8
- SSA Member Named (Story Musgrave for STS -33)* (SSA in Action) [People\Story Musgrave], page 8
- Blue Wren Update* (SSA in Action) [Sailplanes\Todhunter Blue Wren; Homebuilts], page 9
- Ron Baker, *Juliet Yankee (Glasflugel H205 Club Libelle)* [Sailplanes\Glasflugel\Club Libelle], page 11
- Roger Biagi, *If You've Got to Do It, Better Do It Right!* [Safety\Outlandings], page 13
- Dave and Jill Fletcher, *1000K The Hard Way (Over New Mexico)* [Awards\1000 Kilometer Flights], page 17
- Gloria Dalton, *The Great (Schweizer) 2-22 Trip* [Sailplanes\Schweizer\SGS 2-22; Cross Country Soaring], page 20
- Azure Technology Introduces "Fly and Try" Program for Portable Loran-C* (New Products) [Instruments\Avionics], page 23
- A.C. Woolnough, *Lady Quicksilver* [Literature\Fiction; Affiliates, Chapters, and Clubs\1-26 Association; Sailplanes\Schweizer\SGS 1-26], page 24
- Norbert Paas with Chris Smith, *Southland (New Zealand)* [International\Sites], page 27
- Wade H. Nelson, *USAF Academy Soaring Update* [Sites\USAF Academy; Affiliates, Chapters, and Clubs\Collegiate Soaring], page 32
- Richard H. Johnson, *How to Avoid a Midair Collision - a New Approach* [Safety\Collision Avoidance], page 35
- Norma Ravensborg, *Have Glider Rating, Will Travel - Travelog (of KS, LA, MD and MA)* (Travelog) [Sites], page 48
- Mark Kennedy, *Perspective: (Role of Publications and the Membership)* [Publications], page 49
- George Thelen, *Safety Corner: Interview with Charlie (Westerinen After Aerotow Failure)* (Safety Corner) [Safety; Launching\Aerotow], page 50
- Arleen Coleson, *Deadlines! (FAI Badges)* [Awards\Badges\Requirements], page 52

May

- A nose-mounted Nikon captures Dr. Douglas Whitehead soaring above Sierra Nevada in an ASW-20* (Covers) [People\Douglas Whitehead]
- Bruce Helvie, *Likes Safety (of Cockpit Mirrors and a Strobe Light)* (Letters) [Cockpit; Safety\Collision Avoidance], page 2
- Ray Conlon, *Likes (Scholarship) Idea* (Letters) [Youth], page 2
- William Stockton, *Sexism in Soaring?* (Letters) [Commentary], page 2
- Bert Schmutzhart, *Map (of Austria) Criticized* (Letters) [Commentary], page 3
- Charles Person, *Wants More Information (in the Form of Soaring Developments)* (Letters) [Publications], page 3
- Doug Jacobs, *Call for Gliders (to Borrow by French Team)* (Letters) [Solicitations], page 3
- Edward Warmoth, *Issues Raised, with ed note* (Letters) [Commentary], page 3
- Les Sebald, *Congratulations (for 747 glide)!* (Letters) [Commentary], page 3
- Theodore Griggs, III, *Questions Raised (as to Taste)* (Letters) [Commentary], page 3
- Howard Trampenau, *Dad Comments (on Langenfeld's Letter and the Sensor 510C)* (Letters) [Hanggliders], page 4
- Jack Fletcher, *Transition Check Needed (per FAA AC 61-94)* (Letters) [Federal Aviation Administration (FAA); Motorgliders], page 4
- Lauren Zuckerman, *Comments on (Nicks letter on IMC) Flight* (Letters) [Airspace], page 4
- Mike McIntyre, *RC. Inquiry (for Sailplane Details)* (Letters) [Models; Solicitations], page 4
- Roland Sprague, *A Girl Named Heidi* (Letters) [Youth], page 4
- John H. Campbell, *Scholarship Update* (Letters) [Affiliates, Chapters, and Clubs\Collegiate Soaring], page 5

- Frank Reid, *Auto Tow Week at Bermuda High Soaring* (SSA in Action) [*Launching\Autotow*], page 6
- Can You Identify?* (SSA in Action) [*Vintage Aircraft*], page 6
- Gren Seibels, *In Memoriam: George Squillario* (SSA in Action) [*Obituaries*], page 7
- SSA Announces New In-House Computer (SSA in Action) [*Computers and the Internet*], page 7
- D. Fronius, *Second Annual Western Vintage Sailplane Regatta* (SSA in Action) [*Vintage Aircraft*], page 8
- Butler Procedure Approved (to Inspect and Treat Canopies)* (SSA in Action) [*Parachutes*], page 8
- Entry Method (for Combined 1989 Open and Motorglider Nationals and Region 10 Meet) Defined* (SSA in Action) [*Competitions*], page 8
- Self-Sustaining Motorglider (Badge) Rules Revised* (SSA in Action) [*Motorgliders; Awards\Badges\Requirements*], page 8
- John Campbell, *National Intercollegiate Champion (Ohio State University Soaring Association)* (SSA in Action) [*Affiliates, Chapters, and Clubs\Collegiate Soaring*], page 9
- Steve Coan, *Stemme S-10 (Motorglider Introduced)* (SSA in Action) [*Motorgliders\Stemme S10*], page 9
- John Campbell, *Sports Class Matures* (SSA in Action) [*Competitions\Classes*], page 10
- 50th Anniversary Schweizer Soaring Regatta (at Harris Hill)* (SSA in Action) [*Competitions\Local*], page 10
- Promotion Copies of Soaring (Available)* (SSA in Action) [*Promotion*], page 10
- John H. Campbell, *Promotion Idea (Check Logo)* (SSA in Action) [*Promotion*], page 11
- Terry Frazier, *Sweetness and Light SSA Convention - LA '89* [*Conventions, Conferences, and Meetings*], page 13
- Bob Michener, *Homebuilders at Bryan (Ohio in 1988)* [*Homebuilts*], page 20
- John Campbell, *College Soaring is Alive and Well* [*Affiliates, Chapters, and Clubs\Collegiate Soaring*], page 22
- Richard H. Johnson, *Sailplane Performance Flight Test Methods* [*Aerodynamics\Flight Tests*], page 26
- Jim Payne, *Wing Loading Limit* [*Wing Loading*], page 38
- Ultrasuede HP (Fabric for Interiors)* (New Products) [*Cockpit*], page 41
- Harry Senn, Jim Hard, Mark Parranto, and Lew Neyland, *Rocky Mountain 1-26 Record Camp (from Lakecreek Soaringport)* [*Affiliates, Chapters, and Clubs\1-26 Association; Sailplanes\Schweizer\SGS 1-26; Sites\Lakecreek, CO*], page 42
- William C. Sproull, *Perspective: Where Do We Want to Go (from Here)? a Look at the Future of the Sport* [*Soaring Society of America\President's Report*], page 49
- George Thelen, *Standard American Soaring Signals* (Safety Corner) [*Communications; Instruction*], page 50

June

- Vic Haynes, *Spring in Boulder looking wesward to Runway 26* (Covers) [*Sites\Boulder; Mountains*]
- Australian Gliding, *Aussies Up Price* (Letters) [*Errata*], page 2
- J.C. Kellett, *Questions Means to End (to Get Publicity)* (Letters) [*Publicity*], page 2
- Michael Greenwald, *More on Mid-Airs* (Letters) [*Safety\Collision Avoidance*], page 2
- Byron Blakeslee, *Youth and R/C Models* (Letters) [*Models; Youth*], page 3
- Doug Jacobs, *Error Corrected* (Letters) [*Errata*], page 3
- Ken Kochanski, *Scenes from a (Petersburg, WV 1989) Wave Camp* (Letters) [*Sites\Petersburg, WV; Techniques\Wave Flying*], page 3
- Peter A. Williams, *Contest Flight Safety Emphasis Needed* (Letters) [*Safety\Accidents/Incidents*], page 3
- Steve Fahrner, *Contest Rules Comments* (Letters) [*Competitions\Rules*], page 4
- Bill McClure, *Thanks! Soaring Magazine* (Letters) [*Affiliates, Chapters, and Clubs; Growth*], page 6

- Richard H. Johnson, *(Orange) Paint Identified* (Letters) [Safety\Collision Avoidance], page 6
- J.J. Neils, *Homebuilder Wants Help!* (Letters) [Homebuilts], page 7
- S. Carpenter, *Trying to Comply* (Letters) [Federal Aviation Administration (FAA)], page 7
- S. duPont, *Warning Device Discussed* (Letters) [Safety], page 7
- W.R. Tucker, *Anyone Remember?* (Letters) [History], page 7
- B.S. Smith, *SSA Hull & Liability Insurance Plan Improvements* (SSA in Action) [Insurance], page 8
- W. Eierman, *Update on Security* (SSA in Action) [Parachutes], page 8
- Camp Plans Announced* (SSA in Action) [Affiliates, Chapters, and Clubs\Camp], page 8
- Can You Identify?* (SSA in Action) [Sailplanes], page 8
- D. Taylor, *Indy '90* (SSA in Action) [Affiliates, Chapters, and Clubs], page 9
- M Reinhardt, *Ostiv Announcement* (SSA in Action) [OSTIV], page 9
- Gail Davis, *Glider Aerobatics Needs Attained* (SSA in Action) [Aerobatics], page 10
- W.G. van Breukelen, *In Memoriam: Tom Stoops* (SSA in Action) [Obituaries], page 10
- Jim Maupin, *The Carbon Dragon (a Foot-Launchable Sailplane)* [Hanggliders\Carbon Dragon], page 11
- Chuck O'Mahony, *Welcome to Paradise, (Kauai, Hawaii)* [Sites\Kauai, HW], page 14
- Ed Crawley and R. John Hansman, *Improve the Crashworthiness of Your Sailplane* (Safety Corner) [Cockpit; Safety\Accidents/Incidents; Safety], page 19
- David Stevenson, *1000k Southern Style (from Tennessee to the Atlantic Ocean)* [Awards\1000 Kilometer Flights], page 26
- Battery Life Extending Solar Charging System* (New Products) [Equipment\Batteries], page 29
- John Sandell, *Did You Say "Soar Back" or "Sore Back?"* [Physiology\Pilot Comfort; Cockpit], page 30
- Bill Williams, *Add "Physical Condition" to Your Check List* [Physiology; Safety\Checklists], page 33
- Bob Carlson, *Lessons* [Physiology], page 35
- William B. Dehon, *Finnistere* [Literature\Fiction], page 37
- Tony Koester, *Reaching High* [Affiliates, Chapters, and Clubs\Freedom's Wings], page 39
- Larry Sanderson, *Olympics: Yes or No, What Do You Think?* [Soaring Society of America\President's Report; Sailplanes\World Class Sailplane], page 42
- Norma Ravensborg, *Have Glider Rating, Will Travel - Travelog (of MI, MN, NH, and NC)* (Travelog) [Sites], page 44
- Bernald S. Smith, *Paris in the Spring* [International Gliding Commission (IGC)], page 48
- George Thelen, *(Admonitions to) Infrequent Flyers* (Safety Corner) [Physiology], page 51
- Arleen Coleson, *Badge and Record Forms* (FAI Badges) [Awards\Badges\Requirements], page 52

July

- Derek Piggott, *Grob Twin III over West German Village* (Covers) [Sailplanes\Grob\Twin III]
- Al Dresner, *Chute Alert* (Letters) [Parachutes], page 2
- Diane McCormack, *Woman Pilot Feels Slighted* (Letters) [Literature\Fiction; Commentary], page 2
- Scott A. Jenkins, *Nattering Neigh-Bobs* (Letters) [Commentary], page 2
- Jack Fletcher, *Call For Alertness* (Letters) [Physiology], page 3
- Jason Gregg, *More on Wing Loading* (Letters) [Wing Loading], page 3
- Tina Embich, *Critical of Mailing Wrapper* (Letters) [Publications], page 3
- Vic Saudek, *Ask Authors for More Background* (Letters) [Publications], page 3
- Ray Speicher, *More on Mid-Airs* (Letters) [Safety\Collision Avoidance], page 4
- Wally Raisanen, *View on Wing Loading* (Letters) [Wing Loading], page 4
- Robin Edwards, *Going Out of Your Way (for Speed Made Good)* (Letters) [Cross Country Soaring], page 5

- Ray Speicher, *Shares 1-20 Photo* (Letters) [*Sailplanes\Schweizer\SGS 1-20*], page 6
- Terry McElligott, *More on Club Libelle* (Letters) [*Sailplanes\Glasflugel\Club Libelle (H205)*], page 6
- Frank Reid, (1989) *Region V North (Chester, SC) Soaring Contest - The Season Begins* (SSA in Action) [*Competitions\Regionals*], page 7
- Pete Williams, *Flight Safety and the Motorglider* (SSA in Action) [*Motorgliders*], page 9
- Bob Grey, *In Memoriam: Ed Barnes* (SSA in Action) [*Obituaries*], page 10
- Gail Davis, *Aerobatic Team Needs Help (Going to Worlds in Germany)* (SSA in Action) [*Aerobatics*], page 10
- (*"Soaring -in Harmony with the Wind"*) *Video Garners Award* (SSA in Action) [*Video Tapes*], page 10
- Post Mills Soaring Club Off and Running* (SSA in Action) [*Affiliates, Chapters, and Clubs*], page 10
- Running on Empty Wins Gold Medal* (SSA in Action) [*Video Tapes*], page 11
- Robert J. Welliever, *Bluebird* [*Homebuilts*], page 13
- Edward V. Stalzer, *Down Memory Lane (1937 in Jugoslavia)* [*International\Sites; History*], page 16
- Michael L. Shakman, *Off-Field Landings in the French Alps* [*International\Sites*], page 21
- Bill Hinote, *A New Era in Turnpoint Photography* [*Photography*], page 24
- Derek Piggott, *The Grob Twin III* [*Sailplanes\Grob\103C Twin III*], page 28
- Jay Newell and Rick Valley, *Bailout!* [*Parachutes; Safety\Accidents/Incidents*], page 31
- Vern Frye, *Owl Day at Air Sailing* [*Competitions\Seniors*], page 36
- F.P. Bundy, *Rebuilding Glider 08S (Schweizer 2-33)* [*Sailplanes\Schweizer\SGS 2-33; Maintenance and Improvements*], page 41
- Rome Energy Introduces the Latest Solar Electric Power Modules* (New Products) [*Equipment\Batteries*], page 44
- Norma Ravensborg, *Have Glider Rating, Will Travel* (Travelog) [*Sites*], page 45
- George Thelen, *Aero Retrieves* (Safety Corner) [*Safety\Outlandings; Launching\Aerotow*], page 49
- Arleen Coleson, *Remember (1% Rule, Notch, Diamond Goal limits)* (FAI Badges) [*Awards\Badges\Requirements*], page 52

August

- Bill Reaves, *Klaus Holighaus, Dropping Water Ballast While Finishing, Sails to Victory in the 1986 15-M Nationals* (Covers) [*Sailplanes*]
- Bob Michener, *Update on Marske Pioneer (N4SS)* (Letters) [*Sailplanes\Marske Pioneer II*], page 2
- Jim Jenista, *Safety and Motorgliders (Reply to Garner)* (Letters) [*Motorgliders*], page 2
- Robert J. Welliever, *New Computer Network* (Letters) [*Computers and the Internet*], page 2
- Chris Wills, *More on History of the Weihe* (Letters) [*History*], page 3
- Jerome K. Layton, *Training Youth to Soar (with Auto Tow)* (Letters) [*Launching\Autotow; Youth*], page 4
- Terry Cubley, *Aussie Seeks Sailplane* (Letters) [*Solicitations*], page 4
- Bruce Helvie, *Mirrors Pictured* (Letters) [*Cockpit; Safety\Collision Avoidance*], page 5
- Peter L. Krasnoff, *Disagrees on Criticism* (Letters) [*Literature\Fiction; Commentary*], page 5
- Robert H. Bruce, *Reply to "Trying to Comply"* (Letters) [*Humor; Federal Aviation Administration (FAA)*], page 5
- Trish Turbin, *Writer Questions (Finnistere) Article* (Letters) [*Commentary*], page 5
- Bernald S. Smith, *More Insurance Rate Reductions* (SSA in Action) [*Insurance*], page 6
- Corwin Sharp, *In Memoriam: Herbert Salisbury* (SSA in Action) [*Obituaries*], page 6
- John Campbell, *In Memoriam: Richard Bultman* (SSA in Action) [*Obituaries*], page 6
- Terry Cubley, *Australian's Welcome Foreign Pilots* (SSA in Action) [*International\Sites*], page 6
- Anthony Wiederkehr, *Intercollegiate Soaring Contest (at Caesar Creek)* (SSA in Action)

[*Affiliates, Chapters, and Clubs\Collegiate Soaring*], page 7
New Florida SSA Governor (SSA in Action) [*Soaring Society of America*], page 7
Can You Identify? (SSA in Action) [*Sailplanes*], page 8
Ezequiel Szafir, *New Wings Made in Argentina* (SSA in Action) [*Manufacturers*], page 9
Maiden Flight of the DG-500 Elan Trainer (SSA in Action) [*Sailplanes\Glaser-Dirks\DG-500*], page 10
Richard H. Johnson, *A Flight Test Evaluation of the DG-600* [*Aerodynamics\Flight Tests; Sailplanes\Glaser-Dirks\DG-600*], page 12
Richard H. Benbough, *Almost an Albatross: The Bowlus-Mitchell Flying Wing* [*Sailplanes\Bowlus-Mitchell; History*], page 21
Robert Gaines, *Scheibe Flugzeugbau (SF-25 C Falke 88 and 2000)* [*Motorgliders\Scheibe*], page 26
Chuck O'Mahony, *A Chip off the Old Bloc, XXI World Gliding Championships (Austria)* [*Competitions\World*], page 29
David A. Woods, *RESCO Wave Camp Number 6* [*Techniques\Wave Flying*], page 36
Gene Hammond, *Perspective: Where, Oh Where Has My Little Dog Gone?* [*Spoilers; Launching\Aerotow*], page 40
Gary Eberhardt, *Flight of the Edelweiss (C-30S)* [*History*], page 41
George Thelen, *I'm Getting Signals* (Safety Corner) [*Communications*], page 46
N. Ravensborg, *Travelog: Have Glider Rating, Will Travel* (Travelog) [*Sites*], page 49
Arleen Coleson, *Badge Requirements* (FAI Badges) [*Awards\Badges\Requirements*], page 52

September

John Wolter, *Two Grob G-109 Motorgliders with the World's Smallest Twin Engine Motorplane, the French "Cri-Cri"* (Covers) [*Motorgliders\Grob 109*]
John Stevenson, *Grob Owner Gripes (about Wing Spar Pin AD)* (Letters) [*Sailplanes\Grob\Twin II*], page 2
Rick Valley, *Rigger Response* (Letters) [*Parachutes*], page 2
Gary Sauer, *Update on Project (of Soaring Back Issues)* (Letters) [*Soaring Society of America\Soaring Magazine\Reprints and Back Issues*], page 3
Tony Beck, *Wing Loading Proposal Discussed* (Letters) [*Wing Loading*], page 3
Jo Shaw, *(Finnistere) Story Appreciated* (Letters) [*Commentary*], page 4
Tom Hardy, *Call for Blanik (Aileron Ball Bearings) Check* (Letters) [*Sailplanes\Blanik L-13*], page 4
Val Brain, *Contest Rules Criticized* (Letters) [*Competitions\Rules*], page 4
Byron L. Webber, *Thought for (a) New Product* (Letters) [*Instruments*], page 5
Christiane K. Howard, *A Soaring Line* (Letters) [*Literature\Humor*], page 5
Jack Fletcher, *Safety Phrase* (Letters) [*Safety*], page 5
James H. Burgess, *Another Check List* (Letters) [*Safety\Checklists*], page 5
O.A. Benson, *Another View Shared* (Letters) [*Commentary*], page 5
Bill Scull, *Thoughts on Scanning* (Letters) [*Safety\Collision Avoidance*], page 6
Dereesa Purtell, *Wait and See? (on Olympics)* (Letters) [*Sailplanes\World Class Sailplane*], page 6
Phyliss Wells, *Club Gains 86 New Members* (SSA in Action) [*Growth; Affiliates, Chapters, and Clubs*], page 8
Schweizer Wins 1988 Lincoln Award (SSA in Action) [*Awards\Lincoln*], page 8
Bob Grey, *(1989) Region 5 South (Cordele, GA) Soaring Championships* (SSA in Action) [*Competitions\Regionals*], page 9
Mark A. Palie, *In Memoriam: Paul Jefferson Begley* (SSA in Action) [*Obituaries*], page 9
Can You Identify? (SSA in Action) [*Sailplanes*], page 9
Barry Goodfellow, *In Memoriam: Douglas A. Pawley* (SSA in Action) [*Obituaries*], page 10
Larry Kreuger, *National Parachute Testing Required* (SSA in Action) [*Parachutes*], page 10

- Tom Dixon, *In Memoriam: Louis S. Stur* (SSA in Action) [Obituaries], page 10
1990 SSA Calendar Soon to be Available (SSA in Action) [Publications], page 11
William E. (Bill) Gallagher, *NSM Hall of Fame Weekend* [Affiliates, Chapters, and Clubs\National Soaring Museum], page 12
Oliver Dyer-Bennet, *Glaser-Dirks Flugzeugbau GMBH* [Sailplanes\Manufacturers], page 15
Peter C. King, *Fly Better for \$1040* [Cockpit], page 19
Jan Driessen, *Chile Pepper Tours the Northern Arena (Mt Shasta, CA)* [Techniques\Mountain Soaring], page 20
Michael T. McEwen, *A Modest Proposal To Revitalize American Soaring* [Growth], page 23
Ralph Markson, *An Optical Detector for Thunderclouds, Prediction of Microburst and Locating Sailplanes* [Meteorology\Lightning], page 25
Peter C. King, *The Care and Feeding of a Parachute* [Parachutes], page 29
Tom Inman, *A Fledgling Remembers* [Instruction], page 31
John A. Heitz, *Motorglider Shopping (Grob 109)* [Motorgliders\Grob 109], page 34
Robert H. Wilson, *(Narromine, NSW, Australia) a Mine of Diamonds* [International\Sites], page 38
Dave Woods, *Biennial Flight Review, Skylark North* [Instruction], page 41
Tonk Mills, *November Flight (over Kansas and Oklahoma)* [Cross Country Soaring], page 43
New (6 Drum) Winch System Announced (New Products) [Launching\Winch], page 45
Norma Ravensborg, *Have Glider Rating, Will Travel - Travelog (of SC, TN, and TX)* (Travelog) [Sites], page 46
George Thelen, *Tempus Fugit (Time Flies)* (Safety Corner) [Maintenance and Improvements], page 48
Arleen Coleson, *Kolstad Scholarship Grant (Requirements and Deadlines)* (FAI Badges) [Awards\Kolstad Scholarship], page 52

October

- Roland Winklehner, *Roland's ASW-20 CL over the French Alps* (Covers) [Sailplanes\Schleicher\ASW-20]
Brian Shoemaker, *Cameras, Cameras, Cameras* (Letters) [Photography], page 2
John Gleeson, *Help for Hawaii (CAP)* (Letters) [Affiliates, Chapters, and Clubs\Civil Air Patrol; Solicitations], page 2
Bert Bowe, *Question on Accident Reporting* (Letters) [Safety\Accidents/Incidents], page 3
Bryan Swansburg, *Wants to Hear on (Towplane) Tow Hooks* (Letters) [Solicitations; Launching\Towplanes; Launching\Release Mechanisms], page 3
Gene Hammond, *SSF Response (to Bowe about Publishing NTSB Glider Reports)*, (ednote), (Letters) [Safety\Accidents/Incidents], page 3
S. duPont, *Mid-Air Thoughts* (Letters) [Safety], page 3
Wayne Garner, Jr., *Concept 70 Correspondence* (Letters) [Sailplanes\Concept 70], page 3
David Cole, *Pros and Cons of 9 lb Wing Loading* (Letters) [Wing Loading], page 4
Harry Lusk, *Writer Shares Poem (High Flight by Magee)* (Letters) [Literature], page 4
Harold Banks, *(1989) Region Four North (Fairfield) Contest* (SSA in Action) [Competitions\Regionals], page 7
Michael Haynes, *In Memoriam: A.B. Crank* (SSA in Action) [People\A.B. Crank; Obituaries], page 7
New Association Formed (Franconia Soaring) (SSA in Action) [Affiliates, Chapters, and Clubs], page 7
Chris Garbacz, *1989 Region One Contest (Sugarbush, VT)* (SSA in Action) [Competitions\Regionals], page 8
1989 Region Eight Competition (Ephrata, WA) (SSA in Action) [Competitions\Regionals], page 10
Can You Identify? (SSA in Action) [Sailplanes], page 12

- Dick Carter, *A Super Soaring Sunday (at Truckee)* [Cross Country Soaring], page 21
Joe Flamenbaum, *1-35 or 1-26* [Photography], page 24
Ruthelma Ward Mullins, *Soaring Free - For a Lifetime (Lennox Flight School, FL)*
[Sites\Lennox, FL; Women], page 27
Glen D. Stone, *The Soaring Enthusiast and Familial Anxiety* [Physiology], page 30
Michael R. Jude, *Soaring on Jupiter* [Literature\Fiction], page 32
Norma Ravensborg, *Have Glider Rating, Will Travel - Travelog (of VA, WA, St Louis, Albuquerque, and Orange County)* (Travelog) [Sites], page 34
George McManus, *Archeological Research (at Estrella, AZ)* [Aerobatics], page 36
Larry Pardue, *SOB (Snyder, Odessa, and Big Spring Trophy)* [Awards], page 39
Peter C. King, *Final Glide Calculator* [Computers and the Internet; Instruments], page 42
James H. Alton, *Spring Fever (in Florida)* [Cross Country Soaring], page 45
George Thelen, *Don't Get Upset (Safety Corner)* [Meteorology], page 49
A. Coleson, *FAI Badges and Awards (FAI Badges)* [Awards\Badges], page 50

November

- Richard Thornton, *About to Launch Runway Scene at Skylark North in Tehachapi, CA*
(Covers) [Sites\Tehachapi]
J.C. Treager, *More on Limbach (Powered Motorgliders)* (Letters) [Motorgliders], page 2
Kenneth M. MacDowell, *Questions FAA Motives* (Letters) [Federal Aviation Administration (FAA)], page 2
Robert J. Mudd, *Satisfied with Grob* (Letters) [Sailplanes\Grob\Twin II], page 2
Walter E. Martin, *White Hats Revisited* (Letters) [Commentary], page 2
Val Brain, *More on Signals* (Letters) [Communications], page 3
Charles M. Jamieson, *(Open Dive Brake) Safety Issue Discussed (and Wrapper)* (Letters)
[Launching\Aerotow; Publications], page 4
Charles M. Jamieson, *Clarifies Misstatement (for Experimentals)* (Letters) [Maintenance and Improvements], page 4
Don Taylor, *(Indy '90) Convention Progress* (Letters) [Conventions, Conferences, and Meetings], page 4
John Joss, *Comments on Log Book* (Letters) [Commentary], page 4
Steve Coan, *Likes "Bluebird"* (Letters) [Homebuilts], page 4
T. Guy Spencer, Jr., *Camera (and Film) Comments* (Letters) [Photography], page 5
Peter Masak, *Wing Loading and Competitiveness* (Letters) [Wing Loading], page 6
Paul S. Burgette, *Safety Questions (CCCLRU Checklist for Towpilot)* (Letters)
[Launching\Aerotow; Communications], page 7
Robert H. Bruce, *Push for Action (on Signals and Publications)* (Letters) [Publications; Communications], page 7
Alan Greer, *Thanksgiving in Florida* (SSA in Action) [Competitions\Non Sanctioned], page 9
Steven D. Linn, *Soaring and Radio Communications* (SSA in Action) [Federal Communications Commission (FCC)], page 9
(1989) *Region 10 West Championships (Littlefield, TX)* (SSA in Action)
[Competitions\Regionals], page 10
Call for Subscribers for Technical Soaring (SSA in Action) [Publications\Technical Soaring], page 10
New Officers for 1990 (SSA in Action) [Soaring Society of America], page 10
Patricia Cook, *In Memoriam: Frank Newberry* (SSA in Action) [Obituaries], page 11
R. William Reisert, *In Memoriam: Stephen G. Orbin* (SSA in Action) [Obituaries], page 11
Ameriglide, *Help! We Need Your Assistance* (SSA in Action) [Solicitations], page 12
K. Bodeker, *Looking for Slides* (SSA in Action) [Solicitations], page 12
Unusual Glider Crash (in Poland) (SSA in Action) [Safety\Accidents/Incidents], page 12
Candidates for Regional Elections (SSA in Action) [Soaring Society of America\Directors], page 13

- Can You Identify?* (SSA in Action) [*Sailplanes*], page 14
Finishing Touches (Sign for SSA Offices from Ralph and Dot Koerner) (SSA in Action) [*Credits/Appreciation*], page 14
Richard Thornton, *1989 SHA/SSA Homebuilders Workshop (Tehachapi, CA)* [*Homebuilts*], page 16
Larry Sanderson, *Perspective: New Times, Old Times, and Changing Times* [*Soaring Society of America*], page 19
Robert J. Audette, *Memories of a Canadian Soaring Pioneer (Julien Audette)* [*International\Canada; History*], page 20
Rebecca Lloyd, *Gimmey Wins Fourth National Soaring Title (1989 Sports Class, Montague, CA)* [*Competitions\National*], page 35
Jan Scott, *17th International Vintage Glider Rally (Hungary)* [*Vintage Aircraft*], page 41
Trish Durbin, *The Christmas Present Solution (Is There Sex After Soaring)* [*Physiology*], page 45
George Thelen, *Leave Your EGO at Home (Safety Corner)* [*Physiology*], page 48
Arleen Coleson, *Fall Practice (Notching & Photography)* (FAI Badges) [*Awards\Badges\Requirements*], page 50

December

- Steve Hines, *Painting of Three Schweizer Brothers above a 1-35* (Covers) [*Sailplanes\Schweizer\SGS 1-35*]
Dave Noyes, *Likes Hungarian Plane* (Letters) [*Airplanes\Gobe R-26-Su*], page 2
Jan Driessen, *Super Soaring Sunday Extended* (Letters) [*Cross Country Soaring*], page 2
Jim Gronachan, *Wash It (Your Canopy) First* (Letters) [*Cockpit*], page 2
Karl H. Striedieck, *Contest Comments (Film and POST)* (Letters) [*Competitions\Rules*], page 2
B.D. Myers, *Needs WWII Glider Information* (Letters) [*History; Sailplanes*], page 3
John C. Gibson, *Stability Discussed* (Letters) [*Sailplanes\Marske Pioneer II*], page 3
Mark Huffstutler, *Ode to the Open Class* (Letters) [*Competitions\National*], page 3
Steven D. Linn, *Update on Communications* (Letters) [*Federal Communications Commission (FCC)*], page 3
Tom Knauff, *Team Selection Process Questioned* (Letters) [*Competitions\World*], page 4
Bernald S. Smith, *IGC Report (from Frankfurt)* (SSA in Action) [*International Gliding Commission (IGC)*], page 7
Larry Krueger, *Changes at National Parachute* (SSA in Action) [*Parachutes*], page 7
In Memoriam: Rex Yates (SSA in Action) [*Obituaries*], page 7
No Contest Rule Changes Proposed (SSA in Action) [*Competitions\Rules*], page 7
David Selbeihleit, *The 1989 Ridge Soaring Wave Camp* (SSA in Action) [*Techniques\Wave Flying*], page 9
Joel Flamenbaum, *(1989) Region III Soaring Championships (Harris Hill, NY)* (SSA in Action) [*Competitions\Regionals*], page 9
New (Composite Airframe) Service Announced (SSA in Action) [*Maintenance and Improvements*], page 9
Anniversary Glory [*Sailplanes\Schweizer*], page 12
William E. (Bill) Gallagher, *The Flight of the Schweizer SGP 1-1, 1930-1989* [*Sailplanes\Schweizer\SGP 1-1; History*], page 14
Archer Martin, *The Elder Schweizers - Some Memories* [*History*], page 18
Franklin Hurtt, *My Friends Ernie, Paul and Bill, Reflections of the Early Years* [*History*], page 22
William (Tony) Doherty, *Class of '48* [*History*], page 32
William C. Sproull, *Perspective: (To the SSA Membership)* [*Soaring Society of America\Membership*], page 48
A. Coleson, *FAI Badges and Awards* (FAI Badges) [*Awards\Badges*], page 50