Soaring Magazine Index for 1978/1978 organized by subject

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.

Aerodynamics

F.G. Irving, Sigma development to resume, January, page 12

Stan Hall, Understanding structural load' factors, Homebuilders' Hall, January, page 43

Hannu Korhonen, More facts about flaps, March, page 5

John McMasters and J.D. McLean, A New Challenge in Human-powered Flight, June, page 16

Flight Tests

- R. Johnson, A Flight Test Evaluation of the AS-W 20, May, page 21
- R. Johnson, A flight test evaluation of the AS-W 20, November, page 26
- R. Johnson, A Flight Test Evaluation of the LS-3, November, page 26

Tailless Gliders

Robert T. Jones and Bijan Davari, Comparative longitudinal stability of ultralight tailless gliders, January, page 32

Affiliates, Chapters, and Clubs

Shelley Hoose, Accent on clubs, January, page 36

Shelley Hoose, Winch or not?, February, page 41

S. Hoose, *Bolivian Club Soaring*, April, page 43

Charles Shaw, *The 1-26 Association*, July, page 30

Shelley Hoose, Starting a club, July, page 38

J. Nowak, Barnstorming club makes money, August, page 2

Shelley Hoose, A Motorglider Club?, August, page 52

Shelley Hoose, October, page 46

Shelley Hoose, An Australian soaring club, November, page 46

Competitions

Local

George Moffat, Needed: weekend contest flying. Soaring to Win, November, page 42

National Soaring Museum

NSM News, April, page 14

- L. English, Museum News, July, page 8
- S. Hoose, *National Soaring Museum Support*, August, page 53

NSM Building Opens on Harris Hill, November, page 7

Doug Lamont, The National Soaring Museum dedication, December, page 28

National Soaring Museums

Chet Decker, NSM gets Albatross, July, page 11

Airplanes

Piper

DG-100, September, page 9

American Eaglet

George Worthington, Getting acquainted with the American Eaglet, March, page 10 **Awards**

Kim McEligot, Kolstad Scholarship Winner, January, page 14

- J. Smith, Schweizer "Outstanding Cadet Award" given to André Beaulieu, Out of the Nest, Into the Air, January, page 24
- D. Lamont, SSA Exceptional Achievement Award, accepted by Paul MacCready, The SSA goes to Washington, April, page 19
- F. Blossom, Steve Bennis elected. The SSA Executive Director's report, April, page 24

George Moffat awarded 1977 Lilienthal Medal, SSA in Action, May, page 13

Shelley Hoose, Bill Saltzman: Winner, PASCO Sawyer Award, June, page 40

- 2 - Awards

H. Miltner, Tom Brandes Memorial Trophy, Taos Soaring Fiesta a success, September, page 3

John Joss wins Lincoln Award, November, page 7

Tissandier Diploma awarded to Dr. Paul MacCready, Jr., Ultralight News, ., November, page 10

Badges

January, page 48

Barringer

Doug Lamont, Wally Scott Receives Lewin B. Barringer Memorial Trophy, April, page 19

Eaton

D. Lamont, Eaton Trophy given to Bernald Smith, The SSA goes Washington, April, page 19

Hall of Fame

- F. Blossom, Barney Williams Selected for Soaring Hall of Fame, The SSA Executive Director's Report, April, page 24
- F. Blossom, Steve Bennis: Selected for Soaring Hall of Fame, The SSA Executive Director's report, April, page 24

Karl Striedieck

Doug Lamont Karl Striedieck receives S3A Exceptional Achievement Award, April, page 19

Kremer Prize

Paul MacCready, Jr. accepts SSA Exceptional Achievement Award, April, page 19

Lilienthal

George Moffat, Awarded 1977 Lilienthal Medal, May, page 13

Record Flights

US feminine O&R record, September, page 4

Records

Shelley Hoose, New National Feminine Records Approved, SSA in Action, December, page 7

Records and Record Flights

New Zealanders make record goal distance, March, page 9

Dick Georgeson, International Attempt number 27, April, page 31

Shelley Hoose, Roy McCaldin breaks Arizona Distance Record, TuSC's 1-26 Upstages Smirnoff Stars, August, page 52

New feminine world record, October, page 9

SSA Exceptional Achievement

Doug Lamont, Joe Engle accepts SSA Exceptional Achievement Award, April, page 19

Tuntland

Dick Johnson receives Tuntland Award, April, page 14

Doug Lamont, Richard Johnson Receives Paul E. Tuntland Memorial Award, The SSA goes to Washington, April, page 19

Birds

Richard Miller, A New Approach to Pteradyne flight, March, page 34

Colin Pennycuick, Bird glide ratios, April, page 3

S.O. Jenko, Measuring bird flight performance, July, page 3

John S. Fleugel, Hawk F. T. E., September, page 2

Certification

F. Blossom, Pilot From the Ground: the Biennial Flight Review, March, page 8

Forrest W. Blossom, Registration of new foreign aircraft, May, page 14

Forrest W. Blossom, Experimental aircraft registration, July, page 7

Les Sebald, Preparation of a Sailplane for Annual Inspection, Maintenance and Projects, December, page 44

- 3 - Certification

CIVV

R. Buck, CIVV report, June, page 6

Competitions

The 1977 US National and Regional Champions, January, page 22

G. Moffat, New ships of the 70s, February, page 14

Aimai Knypstra, New approach to sports class competition, March, page 20

S. Hoose, World Championship News, March, page 32

Shelley Hoose, US International Team news, May, page 11

R. Allemann, A Controlled-Speed Start System, June, page 33

Karl Striedieck: Winner, Smirnoff Derby, July, page 11

S. Hoose, 32nd Annual Torrey Pines Midwinter Meet, July, page 38

European competition news, August, page 4

D. Basham, Gwen Gordon 1st woman to win a task in SSA contest: Region Nine West Contest, August, page 5

B. Gregg, The 1978 Smirnoff Sailplane Derby, August, page 14

Ron Gregg, The 1978 Smirnoff Sailplane Derby, August, page 14

F. Blossom, US Team Fund, September, page 6

US contest results, September, page 6

Transeuropeenne Results, October, page 7

F. Blossom, Contest Numbers, October, page 7

Nancy Hume, The 1978 US National and Regional Champions, November, page 14

Nancy Hume, *The 9th Annual Standard Class Championships*, November, page 14 **1-26**

Frank E. Conner, The 13th US National 1-26 Championships, September, page 20

Derbies

Air New Zealand Derby, June, page 9

SSA Soaring Vacation Derby report, July, page 6

International

Australian Nationals, April, page 16

Air New Zealand Derby, June, page 9

Per Weishaupt, The 1st European Motorglider Championships, December, page 34

National

W. Rachford, *The Third US National 15-Meter Soaring Championships*, September, page 36

Gren Seibels and Chuck Forrester, *The 45th US National Unlimited Soaring Championships*, December, page 16

Regional

Gren Seibels, Region Five North Contest, 1978, July, page 12

David W. Basham, Region Nine West Contest, August, page 5

A. Knypstra, Region Twelve Contest, 1978, August, page 9

Marlene Stoll, Region Six Contest, 1978, October, page 9

Region Five South Contest 1978, ; Grey, B., November, page 8

Bud Brown, Region Seven Contest 1978, December, pages 10,7

Aimai Knypstra, Western Region Sports Class Contest, 1978, December, page 10

Mike Eppler, Region Ten North Contest, 1978, December, page 14

Rules

George Moffat, Soaring, Scoring, and Luck, Soaring to Win, October, page 38

World

Shelley Hoose, World Championship news, April, page 13

Phyllis Chillinsworth, Chateauroux, France, October

Doug Lamont, The 16th World Gliding Championships... Chateauroux!, October, page 14

US Team

Forrest W. Blossom, *How our International Team is chosen, SSA in Action*, January, page 9

Conferences and Conventions

February, page 46

Joann Shaw First Woman to Earn 1-26 Diamond, March, page 8

March, page 45

Doug Lamont, The SSA goes to Washington, April, page 19

SSA, NAA, and FAI, June, page 6

June, page 44

July, page 44

August, page 54

September, page 30

China applies for FAI membership, October, page 9

John Lee, SSA at Oshkosh, October, page 34

Apr. 1978, p. 46, October, page 49

Old Timers Meet in France, November, page 7

May 1978, p. 54, November, page 50

December, page 52

Construction and How-To

Richard Johnson, How to build a surface wave gauge in one hour, April, page 9

Want to Help Build an Acre of Lift?, April, page 17

K.J. Strack, Materials The effect of relative humidity on epoxied joints, April, page 39

J. Sinclair, Mandatory Duster change, April, page 46

P. Thorndyke, Homebuilt boom mike, May, page 3

A. McDowell, Instrument Flying A Sink scale vs the speed ring, May, page 26

Gary Sunderland, The foam-and-glass-cloth method of construction, June, page 36

Les Sebald, Feedback on feedback, July, page 3

Tom Page, A Kit-built VHF Communication Set, July, page 17

S. Hall, How to design and build your own hydraulic flap system, Homebuilders' Hall, October, page 41

MIT Barograph Calibration, November, page 9

Derbies

Karl Striedieck: Winner, Smirnoff Derby, July, page 11

S. Hoose, The 1978 Soaring Safari, November, page 46

Economics

Doug Bell, A look at the used sailplane market, January, page 31

Al Backstrom, The Self-Launching Plank Sailplane, May, page 28

Edmund K. Gravely, Joint ownership, May, page 41

J. Foreman, Monerai, June, page 14

Glenn M. Gray, The Poor Boy's Guide to Fund Raising, June, page 30

Shelley Hoose, Starting a club, July, page 38

J. Nowak, Barnstorming club makes money, August, page 2

Steve Patmont, Free at Last, August, page 12

Equipment

Radios

Tom Page, A Kit-built VHF Communication Set, July, page 17

Fiberglass

Per Weishaupt, The 1st European Motorglider Championships, December, page 34

Films

Vicki Barrett, Soaring razzmatazz, March, page 32

Flight Stories

Dick Conwell, I'm just wild about Harry, February, page 20

Tom Massoth, The Importance of Being Determined, March, page 16

Dick Georgeson, International Attempt number 27, April, page 31

Jonathan Driver-Jowitt, A Patch of Sun, July, page 26

Keith Woodward, Stay close to the mountain..., September, page 12

Doug Terman, Morning Flight, December, page 22

History

T. Sharp, March, page 26

Ted Sharp, Looking Backward, June, page 11

Martin Simons, The Hjordis, July, page 23

Charles Shaw, The 1-26 Association, July, page 30

Ted Sharp, Looking Backward, August, page 4

Victor Saudek, Looking Backward, December, page 8

Homebuilding

J.A. Diblin, Tow pilots please note: gasoline is cheaper than cylinders, January, page 5

F.G. Irving, Sigma development to resume, January, page 12

Alain Guay, The RF-9, January, page 19

Doug Bell, A look at the used sailplane market, January, page 31

Robert T. Jones and Bijan Davari, *Comparative longitudinal stability of ultralight tailless gliders*, January, page 32

Stan Hall, Understanding structural load' factors, Homebuilders' Hall, January, page 43

S. Hall, Understanding structural load factors, January, page 143

H. Stiglmeier, The flying wing-a wasted effort?, February, page 3

Bob Michener, Wanted: an objective "Pioneer" flight evaluation, February, page 3

G. Moffat, New ships of the 70s, February, page 14

Swiss variable geometry: Le Delphin, February, page 38

Ray Cote, The Cloudster as a towplane, March, page 2

SSA airspace activity, March, page 8

George Worthington, Getting acquainted with the American Eaglet, March, page 10

Richard Miller, A New Approach to Pteradyne flight, March, page 34

R. Speicher, Coming up: a solarpower assist for MPA?, April, pages 7,1

John Sinclair, Mandatory Duster change, April, page 6

K.J. Strack, Materials The effect of relative humidity on epoxied joints, April, page 39

J. Sinclair, Mandatory Duster change, April, page 46

Jim Marske, The Welles flying wing - a designer's critique, May, page 3

Jori Baker, New foot-launched ultralight, May, page 7

Al Backstrom, The Self-Launching Plank Sailplane, May, page 28

Edmund K. Gravely, Joint ownership, May, page 41

L. Schober, and G. Smith, The Flying Wing, Cont., June, page 3

New ultralight due this summer, June, page 7

J. Foreman, Monerai, June, page 14

John McMasters and J.D. McLean, A New Challenge in Human-powered Flight, June, page 16

Gary Sunderland, The foam-and-glass-cloth method of construction, June, page 36

Forrest W. Blossom, Experimental aircraft registration, July, page 7

Ann Welch, The Orphans, July, page 14

George Worthington, Wheels vs Footlaunching, July, page 15

S.O. Jenko, More about ultralight sailplanes, August, page 2

Steve Patmont, Free at Last, August, page 12

Shelley Hoose, A Motorglider Club?, August, page 52

Forrest W. Blossom, Experimental Aircraft Update, September, page 6

Sisu 1A in new soaring exhibit at the Smithsonian, September, page 8

Ray Cote, Pilot Reports A Cloudster progress report, October, page 36

Stan Hall, How to Design and Build Your Own Hydraulic Flap System, Homebuilders' Hall, October, page 41

The Gossamer Albatross, Ultralight News, SSA in Action, November, page 10

Mitchell Wing, Ultralight News, November, page 10

Ultralights Aviafiber Canard, Ultralight News, November, page 10

ULF 1, Ultralight Homebuilt, Ultralight News, November, page 11

S. Hall, How to Design and Build Your Own Hydraulic Flap System, Part 2, Homebuilders' Hall, November, page 34

Jerry Rautio, 15-Meter Motorglider Performance Calculations, December, page 3

Forrest W. Blossom, Homebuilt tow planes, December, page 7

Per Weishaupt, The 1st European Motorglider Championships, December, page 34

Les Sebald, Preparation of a Sailplane for Annual Inspection, Maintenance and Projects, December, page 44

Illustration

Don Monroe, *Mini-portfolio*, February, page 7

Ron Lipking, Map of Trans-New Zealand Flight, March, page 9

Douglas C. George, Drawings, Pteradyne flights, March, page 34

Gren Seibels, Turnpoint photo development, June, page 3

Gil Parcell, Cartoons: The Poor Boy's Guide to Fund Raising, June, page 30

Robert Lee Moore, Photo, July, page 13

Mark Busacca, Drawing: A patch of sun, July, page 27

Greg Rogers, The 1978 Smirnoff Sailplane Derby, August, page 14

The 16th World. Gliding Championships... Chateauroux! Kubly, J., October, page 14

Robert Lee Moore, DG-100, October, page 35

Instruction

J.A. Diblin, Tow pilots please note: gasoline is cheaper than cylinders, January, page 5

Alan Huff and Larry Johnson, *The use of rudder and ailerons in stall control*, January, page 6

Forrest W. Blossom, Aerobatics: Check your flight manual, SSA in Action, January, page 14

J.F. Smith, Out of the Nest, Into the Air, January, page 24

Thomas Knauff, Say it out loud: 200 feet!, January, page 39

Richard Johnson, The dangers of water ballast, January, page 40

Oklahoma State U to offer soaring, February, page 37

Shelley Hoose, Winch or not?, February, page 41

Rudy Allemann, Learning about landings, February, page 44

Robert B. Ismande, Spin incidents and accidents., March, page 40

Davidson Luehring, Stalls and Spins Recovery from missed stall turns, April, page 5

Don Miles, The British holiday course, April, page 36

A. McDowell, Instrument Flying A Sink scale vs the speed ring, May, page 26

Wally Scott, Walt Scott on Safety and Speed, May, page 48

Tom Knauff, The TLAR landing-pattern-approach teaching method, Teaching Soaring, May, page 50

Doug Lamont and Charles McKinnie, Ground school training program, June, page 26

Tom Knauff, Turns close to the ground. Teaching Soaring, July, page 36

Karl Striedieck, Safety checklists, July, page 42

Lee Bradshaw, A testimonial to spin training, July, page 43

A. Blackburn, Rope break: steep vs. shallow turns, September, page 3

L. McMaster, H.E.L.P. high energy landing problems, September, page 4

Keith Woodward, Stay close to the mountain..., September, page 12

Steve du Pont, Off-field landings on unlevel ground. Teaching Soaring, September, page 48

Rolf Hertenstein, Jr., Some thoughts on spins., September, page 51

Tom Knauff, Rope-break turns, November, page 2

Alan Patching, Landing patterns: the distance-out-and-angle-down method, November, page 5

S. Hoose, Try the Tiny Triangle, November, page 46

G. Worthington, December, page 49

- 7 - Insurance

Insurance

Bernald Smith, SSA Group Insurance, February, page 23

Bernald Smith, Group hull and liability insurance, June, page 9

International

Don Miles, The British holiday course, April, page 36

Australia

H. Beeker, A visit to Narromlne, June, page 5

H. Becher, A Visit to Narromine, June, page 5

Austria

William E. Becher, Soaring in Austria, January, page 17

Belgium

Dick Haggren, Getting High in the Low Countries, December, page 38

Bolivia

S. Hoose, *Bolivian Club Soaring*, April, page 43

China

China applies for FAI membership, October, page 9

France

Keith Woodward, *Stay close to the mountain...*, September, page 12 *Old Timers Meet in France*, November, page 7

Poland

Tourist soaring in Poland, June, page 11

Switzerland

Joseph Lorber, Zell am See, September

UK

Forrest W. Blossom, BGA makes aircraft bulletins available, SSA in Action, August, page 5

Launching

Tow Pilots

F. Blossom, Private Rated Club Tow Pilots, May, page 14

Towplanes

J.A. Diblin, *Tow pilots please note: gasoline is cheaper than cylinders*, January, page 5

Ray Cote, The Cloudster as a towplane, March, page 2

Legislation

Forrest W. Blossom, The Biennial Flight Review, March, page 8

Noncitizen ownership of aircraft okayed, March, page 8

SSA airspace activity, March, page 8

F. Blossom, Private Rated Club Tow Pilots, May, page 14

Forrest W. Blossom, Experimental aircraft registration, July, page 7

16. 5 Diamant, July, page 11

Schweizer 2-33 A. D. revision, August, page 4

F. Blossom, BGA makes aircraft bulletins available, August, page 5

Forrest W. Blossom, Experimental Aircraft Update, September, page 6

Piper, September, page 9

DG-100, September, page 9

William R. Williams, Attention Diamant owners, October, page 3

Blanik maintenance and service life, November, page 6

Forrest W. Blossom, *Homebuilt tow planes*, December, page 7

Literature

B. Smith, Motorgliding Magazine incorporated into Soaring Magazine, January, page 9 Poetry Excerpt from Where No Birds Fly, April, page 18

Doug Lamont and Charles McKinnie, *Ground school training program*, June, page 26 Jonathan Driver-Jowitt, *A Patch of Sun*, July, page 26

S. Hoose, ed., 1978 Sailplane Directory Supplement, August, page 21

- 8 - Literature

Langston Hughes, *Poem*, October, page 35

Melinda Brent, Poem, The Glider Pilot, December, page 2

Book Review

Klaus W. Nielsen, "Environmental Aerodynamics", by R.S. Scorer, October, page 11

Medical

Forrest W. Blossom, Aerobatics: Check your flight manual, SSA in Action, January, page 14

Rudy Allemann, Accidents aren't accidental., January, page 39

Thomas Knauff, Say it out loud: 200 feet!, January, page 39

Rudy Allemann, Learning about landings, February, page 44

Robert B. Ismande, Spin incidents and accidents., March, page 40

Tommy Thomason, Structural failures., April, page 42

Fred Pool, Noise makers for safety, May, page 2

F. Kelsey, Spin incidents and accidents, June, page 2

Forrest W. Blossom, From the Executive Director, August, page 4

Robert E. Gaines, Aviation safety reporting system., August, page 51

Bruce Helview, Peer pressure for safety, September, page 50

Tom Knauff, Rope-break turns, November, page 2

Rich Roberts, Diamant control stick support lug failure, November, page 4

Soaring Medicine Meet, November, page 6

Blanik maintenance and service life, November, page 6

G. Worthington, December, page 49

Meteorology

Want to Help Build an Acre of Lift?, April, page 17

George Mock, More on Florida weather, September, page 5

Motorgliders

Per Weishaupt, The 1st European Motorglider Championships, December, page 34

AS-K 14

Laszlo Horvath, AS-K 14 Motorgliders, December

Pik

Pik-20e

New PIK-20 motorglider, May, page 11

RF-9

Alain Guay, The RF-9, January, page 19

Museums

New soaring exhibit at the Smithsonian, September, page 10

Obituaries

Katherine M. Ely, *Obituary - Lawrence Ely*, February, page 38

Paul Schweizer, Don C. Ryon: Remembering three dedicated soaring enthusiasts, March, page 6

S. Hoose, Richard Hosebfeld: A fitting memorial, March, page 44

Philip Wills, April, page 18

Jim George killed during practice,, July, page 7

John Joss, In Memoriam - Norm Hunter, November, page 9

Bernald Smith, Charles D. Glattly: In Memoriam, December, page 14

OSTIV

Rose Marie Licher, *Technical Soaring Summary*, *Volume IV*, *No. 4*, January, page 12 *XVIth OSTIV Congress at Chateauroux*, February, page 36

Parachutes

Stephen du Pont, *Parachutes More than a seat cushion.*, August, page 51 Jim Maupin, *Parachute riggers' pins: check yourself*, October, page 2

People

Sam Allen

- 9 - People

H. Schilling, Sam Allen: Winner Sports Class, Region One Contest, 1978, December, page 12

Joe P. Bennis

F. Blossom, Joe P. Bennis: Director election winner, February, page 8

Steve Bennis

F. Blossom, Steve Bennis: Selected for Soaring Hall of Fame, The SSA Executive Director's report, April, page 24

Walter Binder

P. Weishaupt, Walter Binder: Winner Two-Seater Class, The 1st European Motorglider Championships, December, page 34

John Brittingham

W. Hill, John Brittingham: Winner, Standard Class, Region Nine East Contest, August, page 7

Dick Butler

Shelley Hoose, US International Team news, May, page 11

Wolfgang Clas

P. Weishaupt, Wolfgang Clas: Winner Standard Class, The 1st European Motorglider Championships, December, page 34

David ColeWinner, standard class

Gren Seibels, Region Five North Contest, 1978, July, page 12

Henry Combs

Patti Kocher, The Many Diamonds of Henry Combs, May, page 16

Dave Culpepper

M. Eppler, Dave Culpepper: Winner 15-Meter Class, Region Ten North Contest, 1978, December, page 14

Bruce Drake

New Zealanders make record goal distance, March, page 9

Dick Georgeson, International Attempt number 27, April, page 31

Carl Ekdahl

W. Hill, Carl Ekdahl: Winner, Sports Class, Region Nine East Contest, August, page 7

Lawrence Elv

Katherine M. Ely, *Obituary - Lawrence Ely*, February, page 38

Joe Engle

Doug Lamont, Joe Engle accepts SSA Exceptional Achievement Award, April, page 19

Nancy Evans

Shelley Hoose, Nancy Evans, FAI awards coordinator, SSA in Action, May, page 10

Sam Francis

F. Blossom, Sam Francis: Director election winner, February, page 8

William E. "Bill" Frutchy

Paul Schweizer, Don C. Ryon: Remembering three dedicated soaring enthusiasts, March, page 6

Jim George

Jim George killed during practice,, July, page 7

Dick Georgeson

New Zealanders make record goal distance, March, page 9

Charles D. Glattly

Bernald Smith, Charles D. Glattly: In Memoriam, December, page 14

Ted Gordon

H. Schilling, *Ted Gordon: Winner Standard Class, Region One Contest, 1978*, December, page 12

Jack Gravance

- 10 - People

A. Knypstra, Jack Gravance: Winner, Standard Class, Region Twelve Contest, August, page 9

Doris Grove

US feminine O&R record, September, page 4

Jim Hammond

Jim Hammond: Winner Sports Class, Region Eleven West Contest, 1978, December, page 11

Tom Hanson

B. Brown, Winner Standard Class, Region Seven Contest, 1978, December, page 10
M. Eppler, Tom Hanson: Winner Standard Class, Region Ten North Contest, 1978, December, page 14

Richard Hosenfeld

S. Hoose, Richard Hosebfeld: A fitting memorial, March, page 44

Scott Imlay

F. Conner, Winner, the 13th US National 1-26 Championships, September, page 20

Jim Indrebo

Jim Indrebo: Winner 15-Meter Class, Region Eleven West Contest, 1978, December, page 11

William S. Ivans

F. Blossom, Williams S. Ivans: Director election winner, February, page 8

Sabrina Jackintell

Shelley Hoose, New National Feminine Records Approved, SSA in Action, December, page 7

Richard Johnson

Shelley Hoose, World Championship news, April, page 13

Doug Lamont, Richard Johnson Receives Paul E. Tuntland Memorial Award, The SSA goes to Washington, April, page 19

Paul MacCready, Jr.

Paul MacCready, Jr. accepts SSA Exceptional Achievement Award, April, page 19

Don Knypstra

F. Blossom, Don Knypstra: Director Election Winner, February, page 8

Bob Kramer

F. Blossom, Bob Kramer: Director election winner, February, page 8

George Lee

Doug Lamont, The 16th World Gliding Championships... Chateauroux!, October, page 14

John Lee

Shelley Hoose, John Lee: SSA hires new administrative assistant, SSA in Action, September, page 9

Al Leffler

A. Knypstra, Al Leffler: Winner, Unlimited Class, Region Twelve Contest, 1978., August, page 9

Tom Madigan

A. Knypstra, *Tom Madigan: Winner, Western Region Sports Class Contest, 1978*, December, page 10

Roy McCaldin

Shelley Hoose, Roy McCaldin breaks Arizona Distance Record, TuSC's 1-26 Upstages Smirnoff Stars, August, page 52

George Moffat

W. Rachford, George Moffat: Winner, the third US National 15-meter Soaring Championships, September, page 36

Eric "Herb" Mozer

S. Hoose, *Eric "Herb" Mozer: US International Team News*, February, page 10 **Eliot Noves**

- 11 - People

Paul Schweizer, Don C. Ryon: Remembering three dedicated soaring enthusiasts, March, page 6

Tom Protheroe

H. Miltner, Tom Protheroe: Winner, Tom Brandes Memorial Trophy, Taos Soaring Fiesta a success, September, page 3

Wally Raisanen

Wally Raisanen Winner, standard class. Region nine west contest, August, page 5

Helmut Reichmann

Doug Lamont, The 16th World Gliding Championships... Chateauroux!, October, page 14

Hanna Reitsch

New feminine world record, October, page 9

Fritz Rueb

P. Weishaupt, Fritz Rueb: Winner Open Class, the 1st European Motorglider Championships, December, page 34

Don C. Ryon

Paul Schweizer, Don C. Ryon: Remembering three dedicated soaring enthusiasts, March, page 6

Bill Saltzman

Shelley Hoose, Bill Saltzman: Winner, PASCO Sawyer Award, June, page 40

R.E. Schreder

F. Blossom, R.E. Schreder: Director election winner, February, page 8

Wally Scott

Doug Lamont, Wally Scott Receives Lewin B. Barringer Memorial Trophy, April, page 19

Baer Selen

Doug Lamont, The 16th World Gliding Championships... Chateauroux!, October, page 14

John Seymour

H. Schilling, *John Seymour: Winner, 15-Meter Class, Region One Contest, 1978*, December, page 12

Joann Shaw

Joann Shaw 1st woman to earn 1-26 Diamond, March, page 8

A.J. Smith

Gren Seibels and Chuck Forrester, *The 45th US National Unlimited Soaring Championships*, December, page 16

Bernald Smith

- F. Blossom, Bernald Smith: Director election winner, February, page 8
- D. Lamont, Eaton Trophy given to Bernald Smith, The SSA goes Washington, April, page 19

Dave Speight

New Zealanders make record goal distance, March, page 9

Dick Georgeson, International Attempt number 27, April, page 31

Jim Stabler

Bruce Grumstrup, Jim Stabler, July

Karl Striedieck

Karl Striedieck: Winner, Smirnoff Derby, July, page 11

Karl Striedieck: Winner, 15-meter class

Gren Seibels, Region Five North Contest, 1978, July, page 12

Barney Williams

F. Blossom, Barney Williams Selected for Soaring Hall of Fame, The SSA Executive Director's Report, April, page 24

Philip Wills

Philip Wills, April, page 18

- 12 - People

Woody Woodward

B. Brown, Woody Woodward: Winner 15-Meter Class, Region Seven Contest, 1978, December, page 10

Harry Wuenstel

A. Knypstra, Harry Wuenstel: Winner, 15-Meter Class, Region Twelve Contest, 1978, August, page 9

Ray Young

Ray Young new director for region 2, July, page 12

Performance

Hannu Korhonen, More facts about flaps, March, page 5

Jerry Rautio, 15-Meter Motorglider Performance Calculations, December, page 3

Evaluations

John Firth, PIK-20 Flap Performance, January, page 3

R. Ward, "Tacts about flaps"-yes, but..., January, page 3

Klaus Holighaus and response to R. Johnson, 40:1 for the 15-meter class?, February, page 2

G. Moffat, New ships of the 70s, February, page 14

Gren Seibels, Goodby, Alibi, February, page 32

George Worthington, Getting acquainted with the American Eaglet, March, page 10

Richard Johnson, A further PIK-20B flight test evaluation, July, page 18

Richard Johnson, A further PIK-20B flight test evaluation, August, page 46

Doug Lamont, *Drat the gnats: The 16th World Gliding Championships. Chateauroux!*, October, page 29

Ray Cote, Pilot Reports A Cloudster progress report, October, page 36

S. Jenko and response D. Johnson, Why waxed, wings don't help performance, November, page 3

Physiology

Stephen du Pont, Parachutes More than a seat cushion., August, page 51

Rolf Hertenstein, Jr., Some thoughts on spins., September, page 51

Medical

Ron Sutton, A note on acrobatic preflights, September, page 5

Publications

Rose Marie Licher, Technical Soaring Summary, Volume IV, No. 4, January, page 12

Safety

Rudy Allemann, Accidents aren't accidental., January, page 39

Robert B. Ismande, Spin incidents and accidents., March, page 40

Wally Scott, Walt Scott on Safety and Speed, May, page 48

Frank Kelsey, June, page 42

Lee Bradshaw, A testimonial to spin training, July, page 43

Robert E. Gaines, Aviation safety reporting system., August, page 51

Bruce Helview, Peer pressure for safety, September, page 50

Jim Maupin, Parachute riggers' pins: check yourself, October, page 2

Forrest W. Blossom, Accidents, SSA in Action, October, page 5

Sailplanes

Doug Bell, A look at the used sailplane market, January, page 31

S. Hoose, Trailer plug protection, February, page 41

Richard Johnson, How to build a surface wave gauge in one hour, April, page 9

Fred Pool, *Noise makers for safety*, May, page 2

P. Thorndyke, *Homebuilt boom mike*, May, page 3

1978 Sailplane Directory Supplement

J. Foreman, *Monerai*, June, page 14

S. du Pont, V-Tails Twitchy? 't Ain't So, August, page 3

Gregg Erikson, Twitchy vee-talls, November, page 2

American Eaglet

- 13 -Sailplanes

George Uveges, American Eaglet, March **Astir CS** DG-100, September, page 9 Blanik Forrest W. Blossom, Aerobatics: Check your flight manual, SSA in Action, January, Jim Crowder, Blanik structural problem, October, page 3 Blanik maintenance and service life, November, page 6 Cherokee II K.J. Strack, *The Cherokee's L/D*, May, page 7 **DG-100** DG-100, September, page 9 **DG-200** G. Moffat, New ships of the 70s, February, page 14 Diamant William R. Williams, Attention Diamant owners, October, page 3 Rich Roberts, Diamant control stick support lug failure, November, page 4 Duster John Sinclair, Mandatory Duster change, April, page 6 J. Sinclair, Mandatory Duster change, April, page 46 **Glaser-Dirks DG-100** Robert Lee Moore, *DG-100*, October, page 35 Jantar George Moffat, New ships of the 70's, March, page 38 M. Hanson, *Jantar*, August Libelle Robert E. Gaines, *Libelle*, April Robert Lee Moore, *Photo*, July, page 13 Monerai Jim Foreman, Monerai, June Mosquito G. Moffat, New ships of the 70s, February, page 14 Nimbus IIb George Moffat, New ships of the 70's, March, page 38 Pik-20 John Firth, PIK-20 Flap Performance, January, page 3 R. Ward, "Tacts about flaps"-yes, but..., January, page 3 Richard Johnson, reply to "Facts about flaps"-yes, but..., January, page 3 Richard Johnson, reply to PIK-20 Flap Performance, January, page 3 Centerfold photo, March, page 28 George Uveges, Centerfold poster of PIK-20, May Pik-20b Richard Johnson, A further PIK-20B flight test evaluation, July, page 18 Richard Johnson, A further PIK-20B flight test evaluation, August, page 46 Pik-20D G. Moffat, New ships of the 70s, February, page 14 Hannu Korhonen, More facts about flaps, March, page 5 Rolladen-Schneider LS-3

G. Moffat, New ships of the 70s, February, page 14

R. Johnson, A Flight Test Evaluation of the LS-3, November, page 26

Schempp-Hirth

Pik

- 14 - Sailplanes

Mini-Nimbus

K. Holighaus, 40:1 for the 15-meter class?, February, page 2

G. Moffat, New ships of the 70s, February, page 14

Schleicher

AS-W 20

Gren Seibels, Goodby, Alibi, February, page 32

ASW 20

R. Johnson, A flight test evaluation of the AS-W 20, November, page 26

ASW-20

R. Johnson, A Flight Test Evaluation of the AS-W 20, May, page 21

Schweizer

Schweizer milestone poster, February, page 37

Sailplanes - A Family Tradition?, June, page 7

SGS 1-23E

George Uveges, Schweizer 1-23E, January

SGS 1-26

Joann Shaw 1st woman to earn 1-26 Diamond, March, page 8

Joann Shaw First Woman to Earn 1-26 Diamond, March, page 8

Aimai Knypstra, New approach to sports class competition, March, page 20

George Moffat, New ships of the 70's, March, page 38

Tommy Thomason, Structural failures., April, page 42

Gary Brod, 1-26, May

Gren Seibels, Turnpoint photo development, June, page 3

R. Allemann, A Controlled-Speed Start System, June, page 33

Charles Shaw, The 1-26 Association, July, page 30

W. Hill, Region Nine East Contest, 1978, August, page 7

Shelley Hoose, Roy McCaldin breaks Arizona Distance Record, TuSC's 1-26 Upstages Smirnoff Stars, August, page 52

F. Conner, Winner, the 13th US National 1-26 Championships, September, page 20

Frank E. Conner, *The 13th US National 1-26 Championships*, September, page 20

Region Eleven West Contest, 1978, December, page 11

H. Schilling, Region One Contest 1978, December, page 12

SGS 1-35a

New soaring exhibit at the Smithsonian, September, page 10

SGS 2-32

L. Horvath, Centerfold poster, February

SGS 2-33

Schweizer 2-33 A. D. revision, August, page 4

Siren E-75 Silene

Doug Lamont, The 16th World Gliding Championships... Chateauroux!, October, page 14

Sisu 1A

Sisu 1A in new soaring exhibit at the Smithsonian, September, page 8

Woodstock

Jim Maupin, The Woodstock, May, page 38

Zuni

G. Moffat, *New ships of the 70s*, February, page 14 *Zuni Resumes Production*, May, page 9

Self-Launch

Al Backstrom, The Self-Launching Plank Sailplane, May, page 28

Sites

Habry Miltner, Taos Soaring Fiesta a success, September, page 3

- 15 - Sites

D. Lamont, *The 16th World Gliding Championships... Chateauroux!*, October, page 14 Dick Haggren, *Getting High in the Low Countries*, December, page 38

Australia

Shelley Hoose, An Australian soaring club, November, page 46

Bishop, CA

Don Monroe, Fall setting; Bishop, California, October

Black Forest

Jim Foreman, Black Forest Gliderport, February

Florida

George Mock, More on Florida weather, September, page 5

Soaring Society of America

February, page 8

Meet David Aranda, February, page 12

Bernald Smith, SSA Group Insurance, February, page 23

March, page 8

April, page 13

F. Blossom, The SSA Executive Director's Report, Executive and Board reports, April, page 24

May, page 9

Shelley Hoose, Nancy Evans, FAI awards coordinator, SSA in Action, May, page 10

Doug Lamont and Charles McKinnie, Ground school training program, June, page 26

SSA Soaring Vacation Derby report, July, page 6

July, page 6

Ray Young new director for region 2, July, page 12

August, page 4

September, page 6

Shelley Hoose, John Lee: SSA hires new administrative assistant, SSA in Action, September, page 9

Forrest W. Blossom, September, page 27

October, page 5

John Lee, SSA at Oshkosh, October, page 34

November, page 6

SSA job placement service, December, page 7

Executive Director

F. Blossom, The SSA Executive Director's report, April, page 24

President's Report

William Cleary, The SSA President's Report, September, page 26

Soaring Magazine

B. Smith, Motorgliding Magazine incorporated into Soaring Magazine, January, page 9

Techniques

Dyanmic Soaring

Tom Cooper, Dynamic soaring-self deception?, December, page 3

Vintage Aircraft

Chet Decker, NSM gets Albatross, July, page 11

Martin Simons, *The Hjordis*, July, page 23

Liam English, Will the real Albatross please stand up?, September, page 2

Old Timers Meet in France, November, page 7

Women

Joann Shaw 1st woman to earn 1-26 Diamond, March, page 8

Doug Barritt, 500 km women's flights, April, page 5

D. Basham, Gwen Gordon 1st woman to win a task in SSA contest: Region Nine West Contest, August, page 5

US feminine O&R record, September, page 4

- 16 - Women

New feminine world record, October, page 9

Shelley Hoose, New National Feminine Records Approved, SSA in Action, December, page 7

Youth

J.F. Smith, Out of the Nest, Into the Air, January, page 24

Tom Massoth, The Importance of Being Determined, March, page 16

Vicki Barrett, Soaring razzmatazz, March, page 32

No subject

William Cleary, Between Times, January, page 9

Frederick Voltz, Kolstad Scholarship winner, January, page 14

André Beaulieu, Winner, Schweizer Outstanding Cadet Award, January, page 26

John McMasters, Giving Benziger the bird, February, page 5

Forrest W. Blossom, Director election winners, February, page 8

Phil Thorndyke, Homebuilt boom mike, March, page 3

SSA Goes to Washington, April, page 19

Jim Maupin, Woodstock's weight and Stender's formula, June, page 3

Jim Stabler and B. Grumstrup, July

John Reay, D.A. McMasters, Book Review: The History of Man-Powered Flight, July, page 35

John Nowak, Barnstorming club makes money, August, page 2

D. Basham, John Ryan Winner, 15-Meter Class, Region Nine West Contest, August, page 5

Don Knypstra, Winner, Unlimited Class, Region Twelve Contest. 1978, August, page 9

Al Blackburn, Rope break: Steep vs. Shallow Turns, September, page 3

Marion Barritt, *The Third US National 15-Meter Soaring Championships*, September, page 36

Ron Ferguson, *The Third US National 15-Meter Soaring Championships*, September, page 36

Peter Teunisse and N. Jacoby, November

Ned Jacoby, Peter Teunisse, November

John Joss, Wins Lincoln Award, November, page 6

John Byrd, Winner 15-Meter Class, Region Five South Contest 1978, Grey, B., November, page 8

HaroldGrey, B. Myers, Winner Standard Class, Region Five South Contest, 1978, November, page 8

Bob Grey, Region Five South Contest, 1978, November, page 8

Peter Lyons, Awarded Tissandler Diploma, Ultralight News, November, page 10

Paul Kellas, Winner Standard Class, Region Eleven West Contest, 1978, December, page 11

Hartmut Schilling, Region One Contest, 1978, December, page 12

George Moffat, Looking back on Ephrata, Soaring to Win, December, page 42

Shelley Hoose, December, page 50