# Soaring Magazine Index for 1972 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.

## 13-Meter Ciass

On a 13-meter class, April, page 2

Bob Miller, Up the 13-meter homebuilt, July, page 2

Spins and the 13-meter class, August, page 6

## **Aerial Bicycle**

B. Miller, The shape of things to come, May, page 32

## **Aerodynamics**

E.[R.?] Miller, Pitch control: The Shape of Things to Come, March, page 30

Prof. E.F. Blick, Bird aerodynamics, June, page 26

Lloyd M. Licher, Bird aerodynamics, August, page 3

# Affiliates, Chapters, and Clubs

Letter to ed, January, page 2

Soaring clubs: New Zealand, January, page 7

A successful youth group, October, page 4

Getting 'em started, November, page 7

and spins youth, Clubs, December, page 6

Stephen Du Pont, MITSA'S VIP'S, December, page 7

## Airspace

Airspace, April, page 2

18000 ceiling, April, page 3

June, page 8

Marion Griffith, FAA-SSA interview, August, page 12

Radar: glider visibility thereon: Random Gusts, August, page 13

James Indrebo, Cloud, and IFR flying, September, page 2

FAA nixes glider cloud-flying rating, October, page 8

## Akaflieg Darmstadt

Martin Simons, Déjá Vue, February, page 33

### **Archives and Museums**

Museum fund, May, page 5

Vic Saudek, *Dedication*, July, page 10

August, page 12

September, page 9

November, page 11

### Awards

James Elliot, Midwinter awards banquet, March, page 36

Diamond badge, May, page 6

Hugh Heartland, OSTIV plaque and Klemperer award received by Paul Bikle, November, page 11

## **Barringer**

Wally Scott, II Claims Barringer trophy, October, page 5

## **Flights**

- L. Licher, Start gates, July, page 12
- L. Licher, Rules and regulations More on start gates, August, page 8

### **Ballast**

More on safe seat ballast, March, page 6

### BD-5B

More on the BD-5B, September, page 3

### Birds

Prof. E.F. Blick, Bird aerodynamics, June, page 26

Lloyd M. Licher, Bird aerodynamics, August, page 3

- 2 - Birds

Jack Lambie, Bird aerodynamics, August, page 3

# Carbon Spar

Research test, January, page 13

## Clubs

### Australia

Soaring clubs, January, page 7

## **Massachusetts Institute of Technology**

MIT student clubs, September, page 33

### **New Zealand**

Soaring clubs, January, page 7

## **Competitions**

Best competition pilots of 1971, January, page 22

Stephan Horvath, Low-cost competition in Arizona, February, page 3

Questionnaire re: official contest number, March, page 13

1971, Handicap nationals, July, page 11

National Achievement comparisons of US nationals 1959 to 1972, October, page 38

Something right and something wrong, November, page 8

Bill Snead, Lap racing, December, page 28

## **Design**

Sailplane design competitions news, December, page 8

### International

### Germany

Thomas Williams, Report: Third Annual Motorglider Competition - Germany, September, page 10

#### Local

26th annual: Torrey Pines, Local Pacific midwinter soaring championships, June, page 11

## National

Alcide Santilli, 40th US national soaring championships, Liberal, Kansas, January, page 24

J.C. Lincoln, 40th US national soaring championships. Liberal, Kansas, Part II, April, page 3

39th US soaring championships, Nevada Minden, September, page 6

J.C. Wright, *Third US national standard class soaring championships, Marfa, Texax*, September, page 12

Elena Klein, 39th US soaring championships, Minden, Nevada, November, page 16 Table of scores 39th US soaring championships, November, page 26

## Regional

Gren Seibels, Region 5 contest, July, page 9

James Herman, Region One Contest, August, page 9

B.S. Smith, Region 11 Contest, September, page 3

Region four contest, October, page 9

Waverly West: region nine contest, October, page 9

Region four contest: Frederick Municipal Airport, Maryland, October, page 9

George Coder Texas, South region ten contest, October, page 9

Region 9 contest, October, page 9

Sterling Starr, Region Seven Contest, Salem, Illinois, October, page 10

North region ten contestStrother Field, Kansas, November, page 14

Helen Dick, Region twelve contest, November, page 14

Region Five Standard Class Contest: Cordele, Georgia, December, page 11

Richard Divelbiss, Region Six Contest, Ionia, Michigan, December, page 12

Leo P. Buckley, Jr., Region four south, December, page 14

## **Smirnoff**

Smirnoff sailplane derby, July, page 16

#### World

World soaring championships, January, page 10

Swedish and Polish pilots new world champs, September, page 7

Paul Bikle, 13th world gliding championships-Vrsac, Yugoslavia, October, page 12

# **Competititions**

# Regional

Kevin Griffin, Region eleven contest, August, page 11

## **Conferences and Conventions**

Texas: first national soaring convention and report, Dallas, March, page 11

Texas Dallas and Report, First national soaring convention, March, page 11

Second national soaring convention, November, page 10

### Construction

Hans Luenger, Project BETA, June, page 32

Derr Golladay, Composites: some thoughts on composite bonding, July, page 28

The Swingwing, November, page 30

## Sailplanes

Anyone for a \$15,000 Spar?, January, page 13

White fiberglass plus haze equals hazard, March, page 2

R. Miller, Pendulum stability: The Shape of Things to Cone, March, page 19

R. Miller, Rudder centeroid: The Shape of Things to Come, March, page 20

R. Miller, Directional control: The Shape of Things to Come, March, page 31

R. Miller, Pedal-soarer: The Shape of Things to Come, March, page 32

R. Miller, Aerial bicycle: The Shape of Things to Come, March, page 32

R.[or K.?]L. Schellenbaum, Getting it all together, April, page 20

More on fiberglass plus haze, July, page 37

John Armitage, *Inspection problems in glass sailplanes*, September, page 36 *Hard facing*, November, page 38

### Cover

Spring Soaring, April, cover

Ruby Design, May, cover

Mountaintop Glide, June, cover

*Ka-6*, August, cover

LS-1. October, cover

Dave Low, HP-11, November, Cover

Silent night, silent flight, December, cover

## **Currency Law**

Lte, March, page 2

### Design

Bruce Carmichael and Al Backstrom, The long and the short of it, July, page 22

### Dynamics of Flight

Wave dynamics, March, page 3

## **FAA**

## Air Traffic Control

Radar: glider visibility thereon: Random Gusts, August, page 13

#### FAI

Lloyd M. Licher, CIVV report, January, page 37

L. Licher, Identity card discussion, March, page 4

Lloyd M. Licher, CIVV report, April, page 35

Hugh Heartland, OSTIV plaque and Klemperer award received by Paul Bikle, November, page 11

## **Federal Aviation Agency**

February, page 12

March, page 13

Notice of proposed certificate action, March, page 36

Marion Griffith, FAA-SSA interview, August, page 12

Airspace: FFA nixes glider cloud-flying rating, October, page 8

F.A.R. Part 61 amended, October, page 8

# Hang gliders

Hang glider safety - a myth exposed, March, page 37

Hang glider safety, April, page 2

June 1972, Cover, June, Cover

SCHGA, Southern California Hang Gliding Associationmeets, June, page 5

Slingsby HP-14 fittings, August, page 13

# History

#### **American**

Wright Brothers, December, page 8

V. Saudek, The lady Marie, December, page 37

### Homebuilts

Dennis Harmon and Larry L. Linville, Why the Dingus?, March, page 30

R.[or K.?]L. Schellenbaum, Getting it all together, April, page 20

H. Senn, Homebuilt wind tunnel for instrument calibration, April, page 22

Hans Luenger, Project BETA, June, page 32

Up the 13-meter homebuilt, July, page 2

Dennis Harmon, A homebuilder's plea, July, page 2

George R. Allen, Two for the homebuilder, August, page 30

The Swingwing, November, page 30

V. Saudek, *The lady Marie*, December, page 37

#### Tern

George R. Allen, Tern report follow-up, September, page 3

# **Human-Powered Flight**

MPA project, February, page 4

Keith Sherwin, Man Powered Flight, February, page 11

Curtix J. Cole and J. McMasters, A review and status report, February, page 18

Rose Marie Licher, Want to fly the Flycycle?, March, page 6

For the record: re: Man-Powered Flight, July, page 2

J. McMasters, Use of energy-storage devices in a man-powered aircraft, August, page 22

J.H. McMasters, MPA operational flexibility answer, December, page 5

## **Human-powered flight**

## Puffin

Man-powered flight: MBA's, February, page 18

### **Instruments**

N. Jacoby, *Electro-optical sensing*, February, page 29

N. Jacoby, Electronics Electro-optical imagery, February, page 29

Redline audio warning device, February, page 38

John Butler and Paul A. Kurbjun, Warning device: things that go bump in the night, Butler, J, March, page 32

H. Senn, Homebuilt wind tunnel for instrument calibration, April, page 22

Instruments Airbrakes and whistles, April, page 37

Spoiler warning device, June, page 2

Radio Equipment The best microphone, June, page 39

L. Licher, Start gates, July, page 12

More on start gates, August, page 8

Emergency locator transmitters, August, page 12

Instruments - Barograph Barograph calibrations, September, page 9

Do-it-yourself barographic orthodontia, October, page 4

More on MacCready speed-ring error selector, November, page 39

Do-it-yourself indicator, December, page 5

### **Batteries**

- 5 - Instruments

*Instruments - Batteries Batteries and cold weather*, March, page 5 *Battery meter caution*, August, page 6

## **Thermal Detection Systems**

Ned Jacoby, Turn on, tune in... and take off, February, page 29

## International

#### Africa

Aimai Knypstra, New speed records in Africa, July, page 14

#### Australia

Soaring clubs, January, page 7

Paul Bikle, 12th Australian national gliding championships: Waikerie, March, page 14

#### Austria

Martin Simons, Déjá Vue, February, page 33

J.W. Gotcher, Economics of soaring in the Alps, March, page 15

## Belgium

Belgian invitation, November, page 9

## Canada

Pilot seeding: 1972 world championships, January, page 40

Ontario Bockton, XXIV Canadian national soaring championships, November, page 14

### **France**

Joseph Baer, Soaring abroad - France, August, page 16

### Germany

Thomas Williams, Report: Third Annual Motorglider Competition - Germany, September, page 10

### **Great Britain**

George Locke, First of a kind flight breaks record, July, page 14

## New Zealand

Soaring clubs, January, page 7

Ross MacIntyre, Championships decide New Zealand world team, April, page 12

#### South Africa

Ary Ceelen, South African nationals, April, page 13

#### Yugoslavia

World soaring championships, January, page 10

Swedish and Polish pilots new world champs, September, page 7

P. Bikle, 13th world gliding championships - Vrsac, Yugoslavia, October, page 12

# **Landing Gear**

Watch it!, March, page 2

Winch advice sought, October, page 5

H.B. Fischer, Caution on duPont landing-gear rememberer, November, page 8

## Launching

### **Aerotow**

Tom Page, Towing engine conservation, February, page 3

**PA-18** 

Airworthiness directive: improper engine-mount assemblies, March, page 13

## Aerotowing

Tom Page, Engine conservation, February, page 3

Towing Breaking and braking, April, page 4

## Winch Towing

Winch advice sought, October, page 5

## Licenses

## Sailplane

Aircraft having experimental certificates, August, page 37

- 6 - Literature

## Literature

Keith Sherwin, Man Powered Flight, February, page 11

Joseph C. Lincoln, ed., On quiet wings, March, page 7

Richard Wolters, the art and technique of soaring, March, page 13

J.W. Gotcher, Economics of soaring in the Alps, March, page 15

Richard Miller, New era in soaring, March, page 27

E. Byars and W. Holbrook, eds, *Proceedings of the 1971 symposium on competitive soaring*, April, page 11

Col. J.E. Mrazek, The fall of Eben Emael - Prelude to Dunkerque, June, page 13

Dr. Albert F. Perna, Lt. Col. USAFR, Ret, *The glider gladiators of World War II*,, June, page 13

Earl Seagars, Humor The Mojave cave petroglyphs, December, page 34

# Meteorology

Spacing between thermal streets, February, page 38

John Aldrich, Valley-slope circulations: Using the Weather, February, page 40

Reverse thermals, March, page 3

Wave dynamics, March, page 3

C. Herold, Information services Wave alert system, March, page 38

John Aldrich, March, page 39

John Aldrich, March, page 39

John Aldrich, More about terrain effects: Using the Weather, April, page 36

W. Scott, Marfa report, May, page 2

Carl Herold, March winds at Boulder, May, page 36

John Aldrich, September, page 34

John Aldrich, September, page 34

Cumulus-induced "mountain" waves, October, page 2

John Aldrich, A do-it-yourself adiabatic chart: Using the Weather, October, page 41

John Aldrich, November, page 41

List of weather-related articles appearing in SOARING Magazine: Using the Weather, November, page 41

John Aldrich, November, page 41

Slope soaring on clouds? It's being done, December, page 2

Regional soaring weather forecasts?, December, page 8

### **Thermals**

Thermal's capacity, January, page 7

## Wave

Alcide Santilli, How to reach waves via thermals, January, page 24

## **Wave Soaring**

Reverse rotor, March, page 6

Dr. Joachim P. Kuettner, *Cloudstreet waves*, June, page 33

#### Waves

Standing waves on Mars, March, page 3

## **Minimum Weight**

More on safe seat ballast, March, page 6

## Motorgliders

L.M. Licher, Rules motorgliding competition: CIVV report, January, page 37

Thomas Williams, Report: Third Annual Motorglider Competition - Germany, September, page 10

#### Alexander Schleicher

### **AS-K 14**

B. Rogers, The AS-K 14 vs the SF-27M, March, page 10

### BD-5

Powered sailplane?, May, page 2

# **Mountain Soaring**

Ultralight support, January, page 4

Man powered flight - a review and status report, February, page 16

"Man-Powered Flight" F 72, Reply to clarification of report, July, page 3

J.H. McMasters, MPA operational flexibility answer, December, page 5

### Movies

Movies are better than ever, March, page 4

## **National Aeronautic Association**

President Mike Monroney re-elected, February, page 11

### **Obituaries**

Remembering Ben Shupack, November, page 9

### **Parachutes**

Open-Cockpit Gliding Parachutes, March, page 2

# Passenger/Pilot Polarity

R. Miller, The shape of things to come, May, page 29

## Pedal-Soarer

B. Miller, The shape of things to come, May, page 32

# People

#### Goran Ax

Swedish and Polish pilots new world champs, September, page 7

### Paul Bikle

Smirnoff sailplane derby, July, page 16

Hugh Heartland, OSTIV plaque and Klemperer award received by Paul Bikle, November, page 11

## Ross Briegleb

Smirnoff sailplane derby, July, page 16

#### **Bernie Carris**

Top commercial instructor, April, page 99

## **Irven Culver**

The Swingwing, November, page 30

#### Roger Frank

Bennett M. Rogers, The O&rographic record, December, page 16

# Ray Gimmey

Elena Klein, 39th US soaring championships, Minden, Nevada, November, page 16

## William C. Holbrook

Bennett M. Rogers, The O&rographic record, December, page 16

## **Stephan Horvath**

Resigns as editor of Safety Corner, December, page 38

#### Frank Hutchinson

V. Saudek, *The lady Marie*, December, page 37

### Taras Kiceniuk, Jr.

January 1972, Cover, January, Cover

## Robert Kronfeld

Martin Simons, *Déjá Vue*, February, page 33

## Dr. Kupper

Martin Simons, Déjá Vue, February, page 33

### John Luttrell

Ross MacIntyre, Championships decide New Zealand world team, April, page 12

#### Walter Neubert

Aimai Knypstra, New speed records in Africa, July, page 14

#### John Ryan

Smirnoff sailplane derby, July, page 16

## **Wally Scott**

Smirnoff sailplane derby, July, page 16

- 8 - People

## Ben Shupack

Remembering Ben Shupack, November, page 9

## **James Smiley**

Bennett M. Rogers, *The O&rographic record*, December, page 16

#### A.J. Smith

Smirnoff sailplane derby, July, page 16

## Herman Stiglmeier

George Kern, The SST, August, page 32

### **Karl Striedieck**

Hi-ho, Kimo Savy, March, page 18

Bennett M. Rogers, *The O&rographic record*, December, page 16

## Jan Wroblewski

Swedish and Polish pilots new world champs, September, page 7

## **Performance Calculations**

D.A. Harmon and L.L. Linville, *Soarability - the performance ratio*, December, page 26 **Photography** 

Interested in slide library?, May, page 2

George Uveges, August, page 7

Photo procedures, September, page 8

# **Physiology**

Anxiety, friend or foe?, June, page 40

#### Altitude

Herold's Hearsay, *Atmospheric pressure hazards for pilots*, June, page 39 Bill Allen, *Altitude indoctrination*, December, page 33

# **Publicity**

Good notice from the press, November, page 8

#### Radar

Radar: glider visibility thereon: Random Gusts, August, page 13

### Record

# **Flights**

Bennett M. Rogers, The O&rographic record, December, page 16

### Records

National feminine single-place 100-km speed record claimed by Gunn-Britt Floden, February, page 8

Standard class state records: SSA to action, October, page 8

## **Flights**

569 mi, World out and return distance record, March, page 18

Aimai Knypstra, New speed records in Africa, July, page 14

G. Locke, Foreign First-of-a-kind flight breaks records, July, pages 14,40

US women's national distance record, September, page 8

Helen Dick, How you have it - now you don't, September, page 8

Robert Gravance, New world multiplace out and return record claim, September, page 8

World multiplace speed triangle record and world multi- place out-and-return distance records claimed by Ed Makula: SSA to action, October, page 6

US national feminine 100-km speed triangle record claimed by Gunn-Britt Floden: SSA to action, October, page 6

Bennett M. Rogers, The O&rographic record, December, page 16

## Safety

Stephan Horvath, January, page 39

Tow hooks, February, page 2

Re: Blodget article, February, page 2

1971, Accident summary, February, page 37

Number one killer: spins and stalls, February, page 37

- 9 - Safety

Too much too soon: proper training, February, page 37

Stephan Horvath, February, page 37

Redline audio warning device, February, page 38

Request SSA give more complete reports, March, page 4

S. Horvath, Answer to request for improvement, March, page 4

More on safe seat ballast, March, page 6

Hang glider safety - a myth exposed, March, page 37

Stephan Horvath, March, page 37

Sailplane tie downs, March, page 38

Hang glider safety, April, page 2

Zoomies can be doomies, April, page 3

Instruments Airbrakes and whistles, April, page 37

Stephan Horvath, On spinning the 2-32, April, page 39

White fiberglass plus haze equals hazard, May, page 2

Launch: Watch it!, May, page 2

Reporting accidents, May, page 3

Control loss in spin, May, page 36

Sailplane fatality investigations, May, page 37

Stephan Horvath, May, page 38

Ridge soaring - Basic rules and precautions, May, page 38

Spoiler warning device, June, page 2

Herold's Hearsay, Atmospheric pressure hazards for pilots, June, page 39

Stephan Horvath, June, page 40

Anxiety, friend or foe?, June, page 40

Emergency plan in case of accident, July, page 37

Byron Alexander, Accident reports Accident report, July, page 37

Stephan Horvath, July, page 37

More on fiberglass plus haze, July, page 37

Slingsby HP-14 fittings, August, page 13

Stephan Horvath, August, page 38

Deadly critters, August, page 38

Joe Conn, August, page 39

Stephen Du Pont, A do-it-yourself landing-gear rememberer, September, page 4

John Armitage, Inspection problems in glass sailplanes, September, page 36

Stephan Horvath, September, page 36

John Karlovich, Recommended precautions, September, page 36

California Fremont, Ka-6 crash; cross-country flight: Blanik crash, September, page 37

2-32 spin recovery, October, page 1?

New information, October, page 2

Stephan Horvath, Serious accidents, October, page 40

Start-gate accidents, October, page 40

Scatter time, December, page 3

Bill Allen, Altitude indoctrination, December, page 33

### **American Soaring Signals**

Tom Page, Standard American soaring signals answer, December, page 3

## **Sailplances**

**SG-1** 

T. Scanlan, Two for the homebuilder, August, page 31

### Sailplanes

John H. McMasters, Support for ultralight, January, page 4

Richard Miller, Supersoarer: The shape of things to come, March, page 18

Richard Miller, The new era in soaring, conclusion: the shape of things to come, March, pages 18,

Richard Miller, Unconventional designs Light-wind soarer, April, page 27

- 10 - Sailplanes

More on the best of the standard class, November, page 38 /Blanik US Certificate granted, February, page 12 A-21 Ross M. Stevens, Jr, Flying the Caproni A-21, March, page 25 Alexander Schleicher **AS-K 14** Bennett M. Rogers, The AS-K 14 vs the SF-27M, May, page 10 **AS-W 12** AS-W 12, February, Cover George Worthington, Is the AS-W 12 for everyone?, June, page 19 Is the AS-W 12 for everyone?, August, page 4 **AS-W 15** K. Striedieck, Best of the standard class? AS-W 15, November, page 6 Geof Steele, Best of the standard class? AS-W 15, November, page 6 **AS-W 17** Safety inspections following accident, March, page 5 Tail inspection for safety, April, page 4 Richard Butler, The best of the standard class, September, page 28 Beta Hans Luenger, *Project BETA*, June, page 32 BS-1 Steve Parker, BS-1, July, Cover C-70 C-70, March, Cover Caproni A-21j Correction, January, page 7 Cherokee R.[or K.?]L. Schellenbaum, Getting it all together, April, page 20 Cirrus Richard Butler, The best of the standard class, September, page 28 Concept 70 Arthur E. Hurst, Concept 70 revisited, March, page 22 Construction E.[R.?] Miller, Pitch control: The Shape of Things to Come, March, page 30 **D-38** Martin Simons, *Déjá Vue*, February, page 33 **Dingus** Dennis Harmon and Larry L. Linville, Why the Dingus?, March, page 30 **Duster** January, page 2 Epb-1 Bruce Carmichael and Al Backstrom, The long and the short of it, July, page 22 HP-11 Dave Low, HP-11, November, Cover **Icarus** January 1972, Cover, January, Cover Taras Kiceniuk, Jr, Flight of Icarus, September, page 34 K-6 Ka-6 Airworthiness directive from FAA: Faulty welds, February, page 12 Ka-6 *Ka-6*, August, cover Kestrel

The Swingwing, November, page 30

- 11 - Sailplanes

Carbon spar research tests, January, page 13

#### Libelle

R. Miller, *Directional control: The Shape of Things to Come*, March, page 31 Geof Steele, *Libelles dominate nationals, Gimmey wins*, September, page 6 Richard Butler, *The best of the standard class*, September, page 28

### Libelle 201B

Geof Steele, *The Libelle 201B*, October, page 10 *The Libelle 201B*, October, page 10

### LS-1

Richard Butler, *The best of the standard class*, September, page 28 *LS-1*, October, cover

#### Nimbus II

Nimbus II Flight testing completed, January, page 40

## S-34

Bruce Carmichael and Al Backstrom, The long and the short of it, July, page 22

#### Schweizer SGS 1-23H

Airworthiness directive from FAA: loose rudder fittings, February, page 12

### Schweizer SGS 1-26

R. Wolters, Region I championships, February, page 13

R. Wolters, Region 4 Championships, February, page 14

Yugoslavia, Bikle, P. Vrsac, 13th world gliding championships, October, page 12

Yugoslavia, Bikle, P., October 1972, p. 26, p. 27 Vrsac, 13th world gliding championships, October, page 26

Sylvia Colton, Vrsac collage, October, page 31

Helen Dick, Region twelve contest, November, page 14

Jon Putnam, Eastern 1-26 championships, Elmira, New Hampshire, November, page 32

Wright memorial meet, December, page 5

## Schweizer SGS 1-34

National feminine single-place 100-km speed record claimed by Gunn-Britt Floden, February, page 8

Max Grassfield, Black Forrest Gliderport, Colorado, September, Cover

#### Schweizer SGS 2-32

Stephan Horvath, *On spinning the 2-32*, April, page 39 2-32 spin recovery, October, page 1?

## **SF-27M**

Bennett M. Rogers, The AS-K 14 vs the SF-27M, May, page 10

## Sigma

L. Licher, Performance report, January, page 11

Lloyd M. Licher, Report on British Sigma, January, page 11

The Sigma flies, January, page 11

#### Skylar 4

G. Locke, Foreign First-of-a-kind flight breaks records, July, pages 14,40

# Slingsby

## Kestrel

Kestrel, January, page 13

#### Tern

George R. Allen, Two for the homebuilder, August, page 30

#### Thistledown

R. Miller, The shape of things to come, May, page 29

### Sailwing

Mountain Green sailwing, June, page 4

## **Simulation**

Lawrence Gehrlein, Learning to thermal on the ground, December, page 36

- 12 - Simulation

## Sites

Wally Scott, Offers "Flying at Marfa" booklet, March, page 3

Gren Seibels, South Carolina Bermuda High, April, page 16

California and Oregon Coming to Minden? Bring a glider, July, page 5

Gill Airport: And lemonade besides!, September, page 4

Region Four Contest, Fredrick Maryland Municipal Airport, October, page 9

Erica Scurr, Middle America soaring, December, page 22

### Alaska

Want to fly a 20000 ft. ridge?, May, page 5

## **Aronson's Air Service**

Aronson's Air Service, January, page 34

#### **Black Forest**

Max Grassfield, Black Forrest Gliderport, Colorado, September, Cover

## Calistoga, California

C-70, March, Cover

#### Colorado

Carl Herold, March winds at Boulder, May, page 36

## Crystalaire

Crystalaire, January, page 32

## El Mirage

El Mirage Dry Lake, January, page 20

Anne and Gus Briegleb, *Thank you*, June, page 2

#### Florida

Soaring conditions, February, page 2

### Hawaii

Elena Klein, Ultralight Hawaiian style, March, page 16

## **Holiday Haven**

Holiday Haven, January, page 35

## **Mojave Desert**

Bennett M. Rogers, The magnificent Mojave, January, page 16

### Odessa, Texas

Steve Parker, BS-1, July, Cover

#### Pearblossom

Pearblossom, January, page 32

### Rosamond

Rosamond, January, page 34

## Tehachapi

Tour of soaring sites, January, page 35

### Skids, Tail Or Hose

Hard facing, November, page 38

## Slide Library

Interested in slide library?, May, page 2

## **Soaring Camp**

George Uveges, Gypsy soaring camp, November, page 12

## **Soaring Society of America**

New directors elected, February, page 8

SSA ultralight committee explores subject, July, page 12

Something right and something wrong, November, page 8

#### **Directors**

Lloyd M. Licher, SSA directors' meeting, March, page 34

L. Licher, Directors meeting, July 1972, Minden, Nevada,, November, page 40

## Funds

SSA special funds, March, page 5

## **Soaring Magazine**

Critique, August, page 2

# **Soaring Symposia**

Robert 0. Buck, Soaring symposium, 1972: West Virginia Morgantown, April, page 7

# **Symposia**

James L. Nash-Webber and Art LaPointe, Symposium and workshop: soaring technology: Technology '72, September, page 32

# **Techniques**

## Cloud and IFR flying

September, page 2

## **Cloud Flying**

Marion Griffith, Flying IFR legally, July, page 3

# **Ridge Soaring**

Ridge soaring - Basic rules and precautions, May, page 38

## **Thermal Soaring**

Spacing between thermal streets, February, page 38

Reverse thermals, May, page 3

## **Wave Soaring**

Alcide Santilli, How to reach waves via thermals, January, page 24

Adverse yaw, January, page 39

Tow hooks, February, page 2

Tom Page, Towing engine conservation, February, page 3

Number one killer: spins and stalls, February, page 37

Control loss in spin, March, page 36

Zoomies can be doomies, April, page 3

Towing Breaking and braking, April, page 4

Flap settings for takeoff, April, page 38

Stephan Horvath, On spinning the 2-32, April, page 39

Bennett M. Rogers, Supersoarability, June, page 2

Using flaps for taxiing, June, page 5

J., August 1972, p. 5, p. 6 Kuettner, *Thermal wave soaring correction*, August, page 5

Spins and the 13-meter class, August, page 6

More on start gates, August, page 8

Down-gust stall?, October, page 4

Tolerance on release points, October, page 8

Start-gate accidents, October, page 40

Slope soaring on clouds? It's being done, December, page 2

S. duPont, Finish gate Finish gate speed: the numbers, December, page 6

#### Teton Range

Dave Low, HP-11, November, Cover

# Thistledown

The new era, July, page 5

# **Tiedowns**

Sailplane tie downs, March, page 38

### **Trailers**

Thoughts on wheel brakes, February, page 38

George Kern, The SST, August, page 32

John Karlovich, Recommended precautions, September, page 36

## **Training**

Too much too soon: proper training, February, page 37

Bill Allen, *Altitude indoctrination*, December, page 33

Lawrence Gehrlein, Learning to thermal on the ground, December, page 36

# **Ultralight Flying**

January 1972, Cover, January, Cover

Hangin' in there, February, page 17

# **Ultralights**

Ultralight coverage in soaring, January, page 10

Elena Klein, Ultralight Hawaiian style, March, page 16

SSA ultralight committee explores subject, July, page 12

### Vector I

UFO's Request for report of UFO sightings, June, page 5

## **VJ23**

The Swingwing, November, page 30

# **Warning Device**

Redline audio warning device, February, page 38

Airbrakes and whistles, April, page 37

Spoiler warning device, June, page 2

# Wave Soaring

Cumulus-induced "mountain" waves, October, page 2

## Wind Tunnel

Harry Senn, Homebuilt wind tunnel for instrument calibration, April, page 22

# Windspiel

Martin Simons, Déjá Vue, February, page 33

# Women

National feminine single-place 100-km speed record claimed by Gunn-Britt Floden, February, page 8

US women's national distance record, September, page 8

US national feminine 100-km speed triangle record claimed by Gunn-Britt Floden, October, page 6

## **XCG-16**

XCG-16 Design Credit, January, page 3

Harry N. Perl, XCG-16, January, page 4

### Youth

Teen-agers; a peer purview, October, page 3

A successful youth group, October, page 4

Air explorer squadron 8, October, page 4

Youth soaring survey completed, November, page 6

Getting 'em started, November, page 7

and spins youth, Clubs, December, page 6

Holly Weimer, Soaring and youth - why not?, December, page 30

## Yugoslavia

Sylvia Colton, Vrsac collage, October, page 31

### No subject

Vincent J. Burnelli, XCG-16 design credit, January, page 4

Nick Goodhart, "Sigma" project report, Licher, January, page 12

Wil Schuemann, CIVV report, Licher, L. M, January, page 37

Rose Marie Licher, Man-powered flight, February, page 4

Richard Wolters, Letter from the Blue Ridge, February, page 13

Martin Simons, Déjá Vue, February, page 35

John Luttrell, White fiberglass plus haze equals hazard, March, page 2

Nimbus landing while on tow?, March, page 3

Alcide Santilli, More on reverse thermals, March, page 3

Dore J. Montes, Economics of soaring in the Alps, Gotcher, J. W, March, page 15

Stephen Du Pont, Check those hairline cracks!, April, page 4

Richard Miller, part II The new era in soaring and super-soarability, April, page 27

Airbrakes and whistles, April, page 37

Geof Steele, The shape of things to come. Miller, R, May, page 31

James Indrebo, Flying IFR legally, July, page 3

- 15 - No subject

Richard Miller, Reply to re Thistledown, July, page 5

Alex Aldott and Dita Aldott, Recognition for photography, July, page 7

Thomas W. Scanlan, The long and the short of it, Carmichael, B, July, page 22

John Luttrell, Some thoughts on composite bonding, Golladay, D, July, page 28

Bill Allen, Accident report, July, page 37

Byron Alexander, Accident report, July, page 37

John Luttrell, More on fiberglass plus haze, July, page 37

John Luttrell, Slingsby HP-14 fittings, August, page 13

Paul Schweizer, Two for the homebuilder, August, page 31

Marion Griffith, Cloud and IFR flying: reply to, September, page 2

Bernald S. Smith, Cartological cop-out, September, page 3

Edward G. Minghelli, New world multiplace out and return record claim, September, page 8

Betsy Howell, Now you have it-now you dont, September, page 8

John Luttrell, Inspection problems in glass sailplanes, Armitage, J, September, page 36

Commercial Operations, Recommended precautions, Karlovlch, J, September, page 36

Edward Makula, Claims two world records, October, page 6

Gunn-Britt Floden, Claims national feminine 100-km speed triangle record, October, page 6

Nancy Davis, Good. notice from the press, November, page 8

Gale Abels, Gypsy soaring camp, November, page 12

Geof Steele, More on The best of the standard class, November, page 38

John Luttrell, Hard facing, November, page 38

Soaring Signals, Standard American soaring signals, December, page 3

Leon A. Bonotaux, The Mojave petroglyphs, December, page 35