



Photo: E. Orr, U.S. Weather Bureau

The series of wave clouds over the Washington, D.C. area on November 30, 1959. Photograph is a composite of a series of photographs taken from the roof of the Weather Bureau building at 24th and M Streets, N.W., in Washington. The view is from the west (left) through north to east (right). Bases were estimated at 11,000 feet and wave length 4.5 mi. Winds of from 40 to 65 knots were measured at and above the clouds with the main axis of the jet stream just to the south.

## NAA ADDS ATTRACTIONS TO CONVENTION PLANS

NAA has slightly revised the schedule for its big annual convention at Indio, California, on November 14-16, 1960, as announced in the June *Soaring*. The big pit barbecue at the Cochran-Odlum ranch on Monday the 14th has been moved up to 5:30 P.M. in order to provide time for a "Salute to NAA" concert that evening at 8:30 P.M. by Fred Waring and his Pennsylvanians.

A friend of aviation, Mr. Waring volunteered the services of his famed musical organization when appraised of the scope of the NAA convention this year. The concert will be played in an outdoor stage on the Riverside National Date Festival Grounds.

Business meetings of the convention will be held on the 14th and 15th from 10:00 A.M. to 4:00 P.M. in the Coachella Valley Union High School with election of officers during the Tuesday session.

Entertainment for the Tuesday evening will center around a Dutch treat reception and NAA buffet at the El Dorado Golf Club at 7:30 P.M. On the morning of the 16th, there will be a bus tour of the Coachella Valley.

The closing banquet on the evening

of the 16th will begin at 7:30 P.M. in the Agricultural Building, Riverside County Fairgrounds. Principal speaker will be Dr. Edward Teller, noted scientist from the University of California. There will be music during the dinner by the Air Force band.

Members of SSA, an affiliate of NAA, are encouraged to participate in this noteworthy promotion of aviation. Entire cost of the convention, including luncheons, Monday barbecue, Tuesday buffet dinner, Wednesday banquet, local transportation and bus tour but excluding lodging and other transportation, will be covered in the registration fee of \$25 per person.

Fees for spouses will be \$15 each. Over 280 rooms in nearby motels and hotels have been reserved for conventioners at reasonable off-season rates of from \$4 to \$14 per night. Make your reservations early. Write:

NAA Convention Headquarters,  
Indio, California.

## BIBLIOGRAPHY ON SOARING

Recent articles or items on soaring which have appeared in non-soaring publications of national circulation:

*Flying*, June, 1960, p.22. A splendid editorial by Gill Robb Wilson, "Airmen's Airmen," promoting the U.S. soaring team and soaring in general.

*Natural History Magazine*, April, 1960, p.62. An article by William Jameson on "Flight of the Albatross" with a very detailed and graphic description of the dynamic soaring practiced by these great soaring birds.

*Sports Illustrated*, June 20, 1960, p.39. A beautiful in-flight photo of Frank Kerns in his flat-top L-K at Elsinore, part of a liquor ad. Quote: "It's great to take chances but not on your bourbon."

*American Modeler*, August, 1960, p.47. Advertisement by (William Hawley) Bowlus Engineering Co. offering three-view drawings and photos of four of the most famous Bowlus sailplanes.

## FAI PHOTO TECHNIQUES REPRINTS AVAILABLE

Now available from SSA for free distribution are mimeographed reprints of the article "Use of Cameras for FAI Awards and Records" from the March-April, 1957, issue of *Soaring* magazine.

The article describes in detail the procedures to be used when using photographic techniques in lieu of SSA Official Observers at turn points of triangular courses, for goal and return flights or any flight that utilizes one or two dog-legs. Also covered is a method of recording altitude gain with a camera/clock/sensitive altimeter combination instead of a barograph.

## FAI RULES REPRINTS

The article "FAI Soaring Awards Rules & Procedures" in the March-April, 1958, issue of *SOARING* magazine has been reprinted and copies are available at 10¢ each from SSA, Box 66071, Los Angeles 66, Calif.

This is the kind of article that is useful to keep for handy reference in your sailplane or log book. The reprints were made available so that your *SOARING* magazine would not suffer too much abuse. Send a dime today for your extra copy.

## TO SOAR

by JOHN IRVING, JR.

What is to fly, to fly, to really fly,  
To soar is to fly, to really fly.  
To soar above the earth below,  
Beneath the clouds from which  
you go,  
Upward, upward, upward.

What is to see, to really see,  
To soar is to see, to really see.  
To see as the circling hawk does see,  
The rivers, lakes, the fields and tree,  
Below, below, below.

What is to thrill, to thrill,  
to really thrill.  
To soar is to thrill, to really thrill.  
To thrill as higher up you go,  
Climbing steady, the earth below,  
Smaller, smaller, smaller.

## NAA

### National Aeronautic Association

The U. S. National Aero Club and representative of FAI which has delegated authority over sporting soaring in the U.S. to SSA.

Annual dues of \$6.00 include a subscription to NAA's monthly magazine "National Aeronautics," reduced aviation insurance premiums and reduced aviation magazine subscription rates.

SSA Members may become active members of NAA for annual dues of \$3.00.

### NATIONAL AERONAUTIC ASSOCIATION

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