

sion of the SSA at Polytechnic Institute in 1944. These sessions have become annual events and have given the SSA status in the aviation world.

Gus's contribution to soaring in the field of aerodynamics on a worldwide basis is well illustrated in the modern sailplanes which have striven to match or outdo the RJ-5's 40/1 glide ratio. At this point we might listen to the testimony of Dick Johnson who achieved because of the encouragement and guidance offered by Gus.

My son Paul was interested in volcanoes. You should have seen and heard the discussion Gus created with Paul. This was not an isolated case. No matter who brought a problem to Gus, child or adult, Gus would respond with eager attention. The lift that Gus would give was fruitful in stimulating many a person to persist in his research. We lost so much when we lost Gus.

### PERSONAL HISTORY OF AUGUST RASPET

Born in Irwin, Pa., August 24, 1913. Married - three children.

B.S. Physics, 1935, Carnegie Institute of Technology.

September, 1935, accepted Civil Service Position as Junior Physicist.

October, 1938, (concurrently with above work) began graduate studies at the University of Maryland.

Was granted M.S. Physics in 1940 and Ph. D. in 1942 by the University of Maryland; dissertation covered instrument for measuring magnetic fields of the earth.

April, 1942, accepted position as Research Physicist for the Gould Aeronautical Division of Pratt Read and Co., Deep River, Conn.

April, 1943, resigned as Head of Research Department of Pratt Read and Co., and accepted position as Research Physicist of Specialties, Inc., Syosset, N.Y.

1946, became Director of Research, Soaring Society of America, glider phase, Thunderstorm Project.

May, 1947, on leave of absence from Specialties, Inc., acted as Consulting Physicist.

October, 1947, became President and Director of Research, Aerophysic Institute, Inc., Study of airflow over an extended ridge for the Office of Naval Research.

March, 1949, became Sailplane Projects Leader, Engineering Station, Mississippi State College.

From 1953, serving as Head of Aerophysics Department, Mississippi State College.

### Published Articles

1. More Audio Watts from a Single Type 10: An Audio System Adapted Modulator Use, QST, March, 1935. (Co-author).

2. Prone Pilots, *Air Progress*, 1940.

3. Dynamic Balancing of Small Rotors by Means of the Cathode-ray Oscillograph, *Dumont Oscillographer*, April-May, 1941. Prize Paper (Co-author).

4. Slope Soaring, *Soaring*, Sept.-Oct., 1942.

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6. Glider-Tug Performance Studies, *Soaring*, Nov.-Dec., 1944.

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8. Determination of the Flight Path of Airplanes, 1946, *Proceedings of Flight Path Conference*, U. S. Navy, 1946.

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13. Measurements of the Drag Coefficient of Soaring Bird, *Aeronautical Engineering Review*, December, 1950.

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17. Aerodynamics of the Sailplane Tiny Mite, *Soaring*, Nov.-Dec., 1950.

18. Performance Measurements of a Soaring Bird, *Aeronautical Engineering Review*, Vol. 9, No. 12, December, 1950.

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20. The Sailplane in Aerodynamic Research, *Research Reviews*, Feb., 1952.

21. Peravia Barograph, *Soaring*, March-April, 1951. (Co-author).

22. Unsolved - The Problem of Leonardo di Vinci, Human Muscle-Powered Flight, *Journal of the Miss. Academy of Science*, Vol. V, 1951-53, *Soaring*, May-June, 1952.

23. The Role of the Sailplane in

Aerodynamic Research, *Soaring*, May-June, 1951.

24. Boundary Layer Studies on a Sailplane, *Aeronautical Engineering Review*, Vol. II, No. 6, June, 1952.

25. Systematic Improvement of the Drag Polar of the Sailplane RJ-5, *Soaring*, Sept.-Oct., 1951.

26. The Sailplane in Research, Training and Sport Flying, *Soaring*, Jan.-Feb., 1953.

27. Leistungssteigerung von Segelflugzeugen durch die Berücksichtigung der Grenzschichtforschung (Increase in Performance of Sailplanes by Use of Boundary Layer Research). Translated by Nils Hirth, edited by Wolf Hirth, *Handbook Des Segelfliegens*, 1953.

28. More Power or Less Drag, *Flight*, April, 1953.

29. Bathtub Aerodynamics, May, 1953, *Soaring*, March-April, 1954, (Co-author).

30. Control of the Boundary Layer on Sailplanes, *OSTIV Pub. II*.

31. Flight Measurements of Trailing-Edge Suction on a Sailplane, *Aeronautical Engineering Review*, Jan., 1954, Vol. 13, No. 1.

32. Private and Utility Airplane of the Future, *Aviation Age*, Jan., 1954.

33. Flight Research on a Personal Type Airplane, *Research Reviews*, April, 1954. (Co-author).

34. Application of Sailplane Performance Analysis to Airplanes, *Aeronautical Engineering Review*, August, 1954.

35. Low Drag Sailplane, Tiny Mite, Modifications 1954, *Journal of Aeronautical Society of India*, Vol. 7, No. 3, *Soaring*, Nov.-Dec., 1954. (Co-author).

36. Sailplane as a Tool for Boundary Layer Research, 50 Years of Boundary Layer Research, Edited by H. Gortler & W. Tollmien, Vieweg & Sohn, 1955.

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