NEWS ROUNDUP

Aero Symposium

The Second Canadian Symposium on Aerodynamics was held at the University of Toronto's Institute of Aerophysics, February 25 and 26, and during this time a considerable number of technical papers were presented on a wide variety of subjects. These are as follows:

The Aerodynamics Involved in High Speed Wing Design—J. Chamberlain, chief technician, A. V. Roe Canada Limited.

The Development of a Turbojet Installation in a Single-Engine Fighter Aircraft—R. D. Richmond, chief development engineer, G. Rosenthal and F. M. Figueroa, Aerodynamics Section, Canadair Limited.

The Contribution of Aerodynamic Theory to the Understanding of Aircraft Behaviour at Transonic Speeds —B. G. Newman, Flight Aerodynamics Group, National Aeronautical Establishment.

Some Aerodynamic Characteristics of Delta Wings at Low Speeds—P. J. Pocock and W. E. Laundry, Aerodynamics Section, National Aeronautical Establishment.

Load Distribution on Supersonic Wings of Arbitrary Shape—B. Etkin, associate professor of Aeronautical Engineering, University of Toronto, and F. Woodward, Aerodynamics Section, A. V. Roe Canada Limited.

On Some Problems of Unsteady Wing Theory—A. Robinson, associate professor of Mathematics, University of Toronto.

Drive and Operation of Large Intermittent Wind Tunnels—J. Lukasiewicz, head of the High Speed Aerodynamic Laboratory, National Aeronautical Establishment.

Optimum Design of Finned Projectiles—R. N. Cox, Aerodynamics Section, Canadian Armament Research & Development Establishment.

Mechanics of Rarefied Gases—G. N. Patterson, director, Institute of Aerophysics, University of Toronto.

A General Approach to Turbomachinery—D. L. Mordell, chairman, Department of Mechanical Engineering, and director of the Gas Dynamics Laboratory, McGill University.

Turbulent Boundary Layers— Francis H. Clauser, chairman, Department of Aeronautics, Johns Hopkins University, Baltimore.

On the Reflection of a Shock Wave from an Open End of a Duct—George Rudinger, principal physicist, Cornell Aeronautical Laboratory, Buffalo.

An Experimental Study of Shock Wave Refraction—A. Ford, Aerodynamics Section, A. V. Roe Canada Limited; I. I. Glass, research associate, Institute of Aerophysics; W. A. Martin, research assistant Institute of Aerophysics.

Lift and Moment of Low Aspect

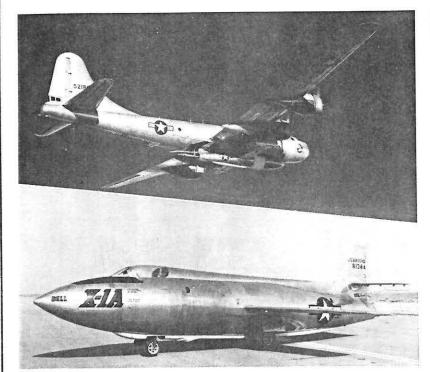
in High Speed Flight—D. A. S. Millar, Engine Laboratory, National Aeronautical Establishment.

Super Sabre Record

The F.A.I. has confirmed the speed mark of 755.149 m.p.h., set by North American's F-100 Super Sabre, October 29, 1953, as the official world's absolute speed record. The mark was set over a 15 kilometre course by Lieutenant Colonel F. K. Everest. Best run was 767.337 m.p.h.

SAC Meet

For a soaring flight of 256 miles, Albert Pow, London, Ont., was awarded Canadian gliding's top award at the Soaring Association of



SETTING THE PACE: Experimental high speed flight tests with the Bell X-IA are continuing, which a new mark being set several months ago when Major Charles E. Yeager flew the USAF's research airplane at a speed of "more than 1,600 mph". At that time, Major Yeager reported the 16,000 lb. rocket-powered aircraft responded perfectly to all controls and, except for the terrific speed attained, the flight was uneventful. The rocket engine is a product of Reaction Motors.

Ratio Wings in Incompressible Unsteady Flow—J. Leyds, Aerodynamics Section, A. V. Roe Canada Limited.

Non-Linear Waves in Solids—G. L. Cann, Ballistics Div., Canadian Armament Research & Development Establishment.

A Technique of Manufacture of Supersonic Nozzles—J. G. Laberge and L. T. Conlin, High Speed Aerodynamics Laboratory, National Aeronautical Establishment.

Increase of Engine Icing Due to Inertia Separation of Cloud Droplets Canada's annual general meeting held Saturday, March 13, at the Chateau Laurier, Ottawa.

Some 50 representatives of gliding clubs in Montreal, Winnipeg, Calgary, Toronto and Ottawa gathered for the annual election of officers and presentation of awards. John D. Agnew, Montreal, was elected president; Dick Noonan, Winnipeg, vice-president; Frank Brame, Toronto, Brother Hormisdas, flying Christian brother from Buckingham, Que., and Al Pow, directors.

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