

## OPTICAL

Optical engineer with experience in original layout and preliminary design of complex optical systems and preparation of manufacturing specifications. Ability in alignment, calibration and testing of finished systems is also required. Familiarity with optical design methods desirable.

### OPTICAL DESIGNER

Optical designer having ability and experience in dealing with aberrational design of complete complex optical systems—frequently with unusual requirements. Experience in the use of Electronic Digital computers in this work is desirable.

Plant located in North Bronx, near to all highways and transportation systems. Free Insurance and Hospitalization and other generous benefits.

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PERSONNEL DEPARTMENT  
**FARRAND OPTICAL CO., INC.**  
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Applications are invited for the position of Head of the Division of Physics of the Saskatchewan Research Council. Applicants should have a Doctor's degree or its equivalent and six to eight years research experience including six years in supervision of investigational work.

The field of interest of the Saskatchewan Research Council includes both pure and applied science but is mainly directed to matters affecting the economy of the Province. Within this field the work is widely diversified. The Council's laboratory building is now under construction on the grounds of the University of Saskatchewan and is expected to be ready for occupancy in April, 1958. Applicants should be prepared to join the the Council before that time in order to participate in planning the initial program of research.

*Inquiries are to be addressed to:*

**Dr. T. E. Warren, Director**  
Saskatchewan Research Council  
University of Saskatchewan  
Saskatoon, Saskatchewan.

Furnas, former Assistant Secretary of Defense for Research and Development, titled, "The Military Research and Development Program". Dr. Furnas emphasized the danger of a "hold the line" budgetary trend on the Department of Defense R&D Program in this period when time is of critical importance in military developments. He stated that "for our national protection, the military R&D program must continue to grow for some years".

At the closing ceremonies awards were given to the following authors of outstanding papers which were presented at the conference:

- Lt Col Abram Benenson, M.C., "Enzymatic Debridement of Full Thickness Skin Burns"—\$750.
- H. G. Paul, "Nose Cone Re-entry Heating for Different Heat-Protective Materials"—\$500.
- D. H. Swingle, "Radar Observation of Atomic Clouds"—\$500.
- William G. Tank, "Downwind Dosage Predictive Equations"—\$500.
- Andrew Assur, "Criteria for Landing Bomber and Fighter Aircraft on Floating Ice Sheets"—\$300.
- J. I. Bluhm, "The Measurement of Dynamic Strains Induced in Projectiles During Penetration of Armor Plate"—\$300.
- H. J. Bomelburg, "A Method for the Measurement of the Flow of Air by Means of Series of Electric Sparks"—\$300.
- Arthur J. Dziemian, "Wound Ballistics Assessment of Bullets"—\$300.
- R. J. Eichelberger, "Experimental Verification of the Nonsteady Theory of Jet Formations by Lined Cavity Charges"—\$300.
- I. Pollin, "Concept of a New Principle for the Determination of Air Density, Missile Altitude and Velocity"—\$300.

**R. Rollefson**  
*Chief Scientist, US Army*

### ASEE Mathematics Division

**T**HE Mathematics Division of the American Society for Engineering Education met on June 17-21 at Cornell University. Three well-attended sessions were held, including a joint conference with the Upper New York State Section of the Mathematical Association of America. The following new officers of the Division were elected at the annual business meeting: chairman, Clarence R. Wylie (University of Utah); vice chairman, Horace A. Giddings (New York University); secretary, William E. Restemeyer (University of Cincinnati); directors, Walter G. Warnock (Rensselaer Polytechnic Institute), George B. Thomas (Massachusetts Institute of Technology), Cletus O. Oakley (Haverford College); representative to ASEE General Council, Haim Reingold (Illinois Institute of Technology).

The next annual meeting of the Mathematics Division will be held in June 1958 at Berkeley, California. For further information write to Professor William E. Restemeyer, University of Cincinnati, Cincinnati 21, Ohio.

### Fluid Dynamics

**T**HE Division of Fluid Dynamics of the American Physical Society is planning to hold its Tenth Anniversary Meeting November 25-27 at Lehigh Univer-