

## APPENDIX F

### Patents Resulting from Activities Supported by The National Science Foundation

The Foundation, since its last annual report, has received notification of the issuance of four patents by the U.S. Patent Office covering inventions arising out of Foundation-supported activities.

1. Patent No. 3,003,113 entitled "Low Differential Amplifier" was issued on October 3, 1961, to Edward F. MacNichol, Jr. on an invention made during the course of research supported by a grant to Johns Hopkins University.

2. Patent No. 3,007,918 entitled "Thiolation of Carbohydrates" was issued on November 7, 1961, to Reinhold Benesch and Ruth E. Benesch on an invention made during the course of research supported by grants to the State University of Iowa. It relates to methods for the introduction of sulfhydryl (-SH) groups into carbohydrates and to the thiolated carbohydrates thereby produced.

3. Patent No. 3,013,079 entitled "Ring Halogenation of Aromatic Carbonyl Compounds" was issued on December 12, 1961, to Donald E. Pearson and Hughlan W. Pope on an invention made during the course of research supported by grants to Vanderbilt University. It relates to a method for effecting the ring halogenation of aromatic carbonyl compounds and to certain novel ring-halogenated aromatic carbonyl compounds.

4. Patent No. 3,051,684 entitled "Organosiloxane Polymers Containing Polydiene Blocks" was issued on August 28, 1962, to Maurice Morton and Alan Rembaum on an invention made during the course of research supported by a grant to the University of Akron. It relates to organo-siloxane polymers.

Pursuant to the provisions of the grants involved, the Foundation has secured for the Federal Government royalty-free licenses to utilize these inventions for governmental purposes.