"Polymers By Non-Redox Processes: Synthesis, Physical Studies and Application"

FINAL REPORT

SEPTEMBER 16, 1986 - OCTOBER 31, 1989

PRINCIPAL INVESTIGATOR:

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The research conducted under this contract is continuing in Grant No. N00014-90-J-1559. It is a continually funded effort.

The work conducted under Contract No. N00014-86-K-0766 and continued under Grant No. N00014-90-J-1559 will be summarized in the list of technical reports, patents and personnel included in the Final Report for Grant No. N00014-90-J-1559.

Listed below are the publications supported in whole or in part by the URI Contract No. N00014-86-K-0766 from September 16, 1986 to October 31, 1989.

Alan G. MacDiarmid
December 4, 1992
66 publications supported
in whole or in part
by URI contract from
9/16/86 through 10/31/89

contract no.: N00014-86-K-0766

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Research Groups

1. University of Pennsylvania
   Department of Chemistry (A.G. MacDiarmid)

2. The Ohio State University
   Department of Physics (A.J. Epstein)

3. Lockheed Advanced Aeronautics Corporation
   Aeronautics Systems Group Research (T.S. Kuan)

4. Drexel University
   Department of Chemistry (Y. Wei)

5. University of Rhode Island
   Department of Chemistry (S.C. Yang)

6. Montclair State College
   Department of Chemistry (B.D. Humphrey)

7. University of Pennsylvania
   Department of Materials Science and Engineering (G.C. Farrington)

8a. Massachusetts Institute of Technology
    Department of Chemistry (G.E. Wnek)

8b. Rensselaer Polytechnic Institute
    Department of Chemistry (G.E. Wnek)
PAPERS PUBLISHED = 66

A. Published Papers — (1987) = 5


B. Published Papers — (1988) = 24


C. Published Papers — (1989) = 37


8. "Polyaniline: Kinetics of Electrochemical Doping Studied by Time Resolved
Yang.


10. "Poly-(2-Methylaniline): The Effect of Chemical Modification on the
Clark and S.C. Yang.


Epstein and A.G. MacDiarmid.

13. "Experimentally Determined pH-Potential Phase Diagram for Polyaniline: Clues for
Optically Distinguishable Sub-Phase in the Conductor Form," Synth. Met., 29, 401

(1989), H.H.S. Javadi, F. Zuo, K. Cromack, M. Angelopoulos, A.G. MacDiarmid and
A.J. Epstein.

Ginder, R.P. McCall, K.R. Cromack, A.J. Epstein, T.L. Gustafson, M. Angelopoulos
and A.G. MacDiarmid.


MacDiarmid.


Dannetun, L. Bertilsson, S. Stafström, W.R. Salaneck, A.G. MacDiarmid, A. Ray,
E.M. Scherr, T. Hjertberg and A.J. Epstein.

Song, J.R. Gaines and S.I Shah.


