LETTERS
Behavior Reinforcement: W. T. Powers; B. F. Skinner; India's Nuclear Test: S. K. Ghaswala

EDITORIAL
On Incrementing a Hurricane: A. Etzioni

ARTICLES
Methanol as a Gasoline Extender: A Critique: E. E. Wigg
DNA Ligase: Structure, Mechanism, and Function: I. R. Lehman
Environmental Quality: Outline for a National Index for Canada: H. Inhaber

NEWS AND COMMENT
Soviet-American Copyright Deals: Better Where Barter Is Possible
ERTS: Fight over a Third Satellite Looms
Drinking Water: Another Source of Carcinogens?
Solar and Geothermal Energy: New Competition for the Atom

RESEARCH NEWS
Exploring the Solar System (II): Models of the Origin
Chemical Condensation Sequence in the Solar Nebula

BOOK REVIEWS
The Changing Flora and Fauna of Britain, reviewed by J. A. Downes; The Fossil Feud, W. H. Wheeler; Effects of Carbohydrates on Lipid Metabolism, A. A. Spector; Reproduction of Marine Invertebrates, R. M. Woollacott; Books Received
Reports

Stratiform Copper Deposit, Northern Anatolia, Turkey: Evidence for Early Bronze I (2800 B.C.) Mining Activity: D. L. Giles and E. P. Kuipers

Lunar Magnetic Field: Permanent and Induced Dipole Moments: C. T. Russell, P. J. Coleman, Jr., G. Schubert

Aerosol and Climate: Some Further Considerations: B. C. Weare, R. L. Temkin, F. M. Snell

Environmental and Evolutionary Stability in Bivalve Mollusks: C. W. Thayer

Blood Velocity Measurements in Human Retinal Vessels: T. Tanaka, C. Riva, I. Ben-Sira

Intranuclear Localization of Mercury in vivo: S. E. Bryan et al.

Histaminergic Pathway in Rat Brain Evidenced by Lesions of the Medial Forebrain Bundle: M. Garbarg et al.

Interferon Induction: Tool for Establishing Interactions among Homopolynucleotides: E. De Clercq et al.

Hypoxemia and the Sudden Infant Death Syndrome: R. L. Naeye

Inhibition of Experimental Allergic Encephalomyelitis in Rats Severely Depleted of T Cells: N. K. Gonatas and J. C. Howard

Decline of DDT Residues in Migratory Songbirds: D. W. Johnston

Technical Comments:

- Increased Hemoglobin-Oxygen Affinity at Extremely High Altitudes: C. Monge C. and J. Whittembury
- Oil Spills in the Arctic Ocean: Extent of Spreading and Possibility of Large-Scale Thermal Effects: R. C. Ayers, Jr., H. O. Johns, J. L. Glaser; S. Martin and W. J. Campbell;
- How Specific Is Specific?: W. C. Boyd; Effect of Low-Phosphate Pretreatment of Plant Species with Different Relative Growth Rates on Subsequent Phosphate Uptake: M. A. Scalei; F. S. Chapin, III; Creutzfeldt-Jakob Disease: Hypothesis for High Incidence in Libyan Jews in Israel: L. Herzberg et al.; M. Alter

Association Affairs

1974 AAAS Election Results

Cover

Black-throated blue warbler (top left), yellow-rumped warbler (top right), and black and white warbler (bottom) are typical of migratory songbirds which show a decline of DDT and metabolites for the decade 1964–1973. See page 841. [Samuel Grimes. Jacksonville, Florida]