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Carbon Dioxide and Climate: S. H. Schneider, W. W. Kellogg, V. Ramanathan; C. B. Leovy; S. B. Idso; Animals in the Classroom: W. A. Moyer

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Social, Economic, and Political Leadership: A. J. Harrison

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Suckling: E. M. Blass and M. H. Teicher
Computed Medical Imaging: G. N. Hounsfield

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Carter and Reagan on Defense: Rhetoric and Posturing Clothe Important Differences
Anderson Stresses Conventional Arms
Ion Generators: Old Fad, New Fashion
Why Government Should Not Fund Science
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Briefing: NIH Bills: Legislators May or May Not Compromise; Frank Press in Line for Academy Presidency; Politics Embroils NSF Directorate
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New Techniques for Selective Immune Suppression Increase Transplant Odds

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AAAS NEWS
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BOOK REVIEWS

The Engineering Drawings of Benjamin Henry Latrobe, reviewed by C. W. Condit;
Microtubules, L. Wilson; The Cell Surface, M. Edidin; Experimental
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REPORTS

Nimbus-7 Coastal Zone Color Scanner: System Description and Initial
Imagery: W. A. Hovis et al.

Phytoplankton Pigments from the Nimbus-7 Coastal Zone Color Scanner:
Comparisons with Surface Measurements: H. R. Gordon et al.

Atmospheric Carbon Dioxide, the Southern Oscillation, and the Weak 1975
El Niño: R. B. Bacastow et al.

Geochronology of Wadi Tushka: Lost Tributary of the Nile: C. V. Haynes

Changes in Endolymphatic Potential and Crossed Olivocochlear Bundle
Stimulation Alter Cochlear Mechanics: D. C. Mountain

Suppression of Prolactin Secretion in Normal Young Women by
2-Hydroxyestrone: J. Fishman and D. Tulchinsky

Erythroid Differentiation of Clonal Rauscher Erythroleukemia Cells in
Response to Erythropoietin or Dimethyl Sulfoxide: A. J. Sytkowski et al.

Opioid Receptors Undergo Axonal Flow: W. S. Young, III et al.

Superior Colliculus: Control of Eye Movements in Neonatal Kittens:
B. E. Stein, H. P. Clamann, S. J. Goldberg

Brain Events Underlying Detection and Recognition of Weak Sensory Signals:
R. Parasuraman and J. Beatty

Acoustic Responses After Total Destruction of the Cochlear Receptor:
Brainstem and Auditory Cortex: Y. Cazals et al.

Canopy Orientation: A New Kind of Orientation in Ants: B. Hölldobler

Long-Term Antidepressant Treatment Decreases Spiroperidol-Labeled
Serotonin Receptor Binding: S. J. Peroutka and S. H. Snyder

Abolition of Optokinetic Nystagmus in the Cat: L. R. Harris et al.

Antireproductive Effects of a Potent Gonadotropin-Releasing Hormone
Antagonist in the Male Rat: C. Rivier, J. Rivier, W. Vale

Excitatory and Inhibitory Effects of Opiates in the Rat Vas Deferens:
A Dual Mechanism of Opiate Action: Y. F. Jacquet

Technical Comments: Elevated Cerebrospinal Fluid Norepinephrine in
Schizophrenics: Confounding Effects of Treatment Drugs:
J. J. Lipsky; C. R. Lake et al.

COVER

Lost City fireball, peak magnitude -12, which fell in January 1970. Fireballs
brighter than this occasionally produce
reports of anomalous sounds heard
simultaneously with their observed
passage and quite distinct from the normal
sonic booms heard later. The 1978 New
South Wales fireball of estimated mag-
nitude -16 produced both types of
sounds. See page 11. [NASA, Wash-
ington, D.C.]
Editor's Summary

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