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An aggregation of crown-of-thorns starfish (*Acanthaster planci*) on a staghorn *Acropora* coral, Great Barrier Reef, Australia. The starfish feed on the coral polyps, leaving behind a bleached skeleton. The white branches were recently eaten; the overgrown basal branches have been dead for several months or more. In recent years, *A. planci* outbreaks have caused extensive damage to a large section of the Great Barrier Reef. See page 847. [Photograph by Len Zell; courtesy of The Great Barrier Reef Marine Park Authority, Townsville, Queensland, Australia]

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### Orthogonal Self-Assembled Monolayers: Alkanethiols on Gold and Alkane Carboxylic Acids on Alumina

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### Evidence from Sediments of Long-Term *Acanthaster planci* Predation on Corals of the Great Barrier Reef

P. D. Walbran, R. A. Henderson, A. J. T. Jull, M. J. Head

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### Nutritional Importance of Pyrroloquinoline Quinone


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### Translational Blockade Imposed by Cytokine-Derived UA-Rich Sequences

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### Osteoclastic Bone Resorption by a Polarized Vacular Proton Pump

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### Role of Prostaglandins and cAMP in the Secretory Effects of Cholera Toxin

J. W. Peterson and L. G. Ochoa

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### Buprenorphine Suppresses Cocaine Self-Administration by Rhesus Monkeys

N. K. Mello, J. H. Mendelson, M. P. Bree, S. E. Lukas

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### Inhibition of Postsynaptic PKC or CaMII Blocks Induction But Not Expression of LTP

R. Malinow, H. Schuman, R. W. Tsien

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### Imaging of Memory-Specific Changes in the Distribution of Protein Kinase C in the Hippocampus


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### Angiotensin II: Does It Have a Direct, Obligate Role in Ovulation?

A. I. Daud, F. M. Bumpus, A. Husain; F. Napolitini et al.

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### Speciation and Its Consequences

H. L. Carson

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### Research Test to Detect HIV Complete Blotting and Hybridization System

Antibodies Endotoxin Removal from Biological Fluids Skin-Protecting Mousse Vacuum Pump Improves Nucleic Acid Transfer Hand-Held Rechargeable Homogenizer Spectrophotometer for HPLC New Circuitry for Motion Analyzer Literature

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**25 AUGUST 1989**