Announcement

"Information and Control" welcomes the publication in January 1961 of the first issue of the new periodical, "KYBERNETIK"

A Journal Dealing with the Transmission and Processing of Information as well as with Control Processes in Both Automata and Organisms

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The concepts of transmission of information, processing of information and automatic control engineering originated within technology and physics. Today, however, these concepts have also found application in the biological sciences. The logical procedures, the methods of experimental and theoretical approaches and the mathematical techniques that are applicable to the physical sciences can often be successfully transferred to the realm of the life sciences. By applying those techniques to sensory and neurophysiological problems new insight has been gained into the principles by means of which organisms handle information. Conversely, physicists and engineers have shown increasing concern for the mechanisms that organisms have evolved in the areas of communication and control. The understanding of these mechanisms may have significant technological consequences as, for instance, in relation to the nature of learning process.

"Kybernetik" would like to cultivate experimental and theoretical findings in the following fields: Information theory; theory of automata; theory of control systems; mathematical foundations of communication theory; sensory processes and micro- and macrophysiology of the central-nervous-system in relation to information handling; information handling by organisms (including man) and task-oriented groups; mathematical models for communication and control processes in organisms.

Contributions to "Kybernetik" must be in English or German. The Journal
appears for the quickest possible publication in individually priced numbers struck off as the material reaches the press. Maximum price for 1961 is DM 80.00 or $19.20.

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The list of contents of the first issue is reproduced for our readers' convenience.

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Die Lichtreaktionen von Phycomyces, von W. Reichardt


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Über die Erkennungszeit beim Lesen, von Dr. F. Wenzel

Die Lernmatrix, von K. Steinbuch

Letter Constraints Within Words, by D. H. Carson

Pawlow und sein Hund—Ein Demonstrationsmodell für den "bedingten Reflex", von I. Kohler