

11/6/834  
Engineering  
Electrical Engineering  
Biological Computer Laboratory Publications, 1957-1976

Box 1:

Publications Lists

Proposals

- Nonr Contract 1834(21)  
Proposal and Revised Budget, June 6, 1960
- AF-OSR  
Theory and Applications of Computational Principles in Complex, Intelligent Systems, Sept. 15, 1966
- NASA  
Toward the Mechanization of Cognitive Processes, May 1, 1967
- AF-OSR  
Theory and Application of Computational Principles in Cognitive System, June 1, 1967
- OEC Grant  
Cognitive Memory: A Computer-Oriented Epistemological Approach to Information Storage and Retrieval, March 1, 1969
- AF-OSR  
Analysis and Synthesis of Cognitive Processes and Systems, June 20, 1969
- AF-OSR  
Toward Direct Access Intelligence Systems  
Aug. 1, 1970 52pp.  
June 1, 1971 104pp.
- AF-OSR  
Beyond Numerical Computers: Technology for Information Processing in Higher Order Representations, June 1, 1972

Technical Reports

- AF Grant 7-63  
Cognition Theory, Ronald J. Swallow, June 1964
- AF Grant 7-64  
Technical Report no. 4: On Classification and Superposition Principles for Nonlinear Operators, Alfred Inselberg, May 1965
- TR No. 6: Table of the Stirling Numbers of the Second Kind, Alex M. Andrew, December 1965
- TR No. 8: Automatic Adjustment in a Continuous Environment, Alex M. Andrew, September 1965
  
- AF-AFOSR Grant 7-67/AF-33(615)-3890
- TR No. 10: The Significance of the Second Format in Speech Intelligibility, Ian Bryce Thomas, July 1966
- TR No. 11: The Visual Image Processor, John K. Russell, June 1967
- TR No. 12: Classification and Enumeration of Autonomous Sequential Machines, Hollis F. Ryan, June 1967
- TR No. 13: Information Transfer in Complex Systems, With Applications to Regulation, Roger C. Conant, January 1968

TR No. 14: On The Realization of Linear Automata, Thomas J.C. Wey, June 1969  
TR No. 15: Towards a Systematic Method of Behavior, Russell D. Stinaff, June 1969  
TR No. 16: The Analysis and Synthesis of a Learning Teaching System, Gerald F. Brieske, June 1969  
Final Report: Analysis and Synthesis of Cognitive Processes and Systems, December 15, 1969  
Annual Inventory of Research for Af-OSR 767 and AF-OSR 70-1865, December 15, 1969

AF 33 (615)-3890

Monthly Progress Reports nos. 1-36, April 1, 1966-March 31, 1969  
Interim Technical Reports nos. 1-11, July 1966-January 1969  
Final Report, May 1969

Final Report on Direct Access Intelligence Systems, Af-OSR Grants 7-63, 7-64, 7-66, 7-67, and 70-1865

AF 33(615)-2573

Progress Report, June 1, 1965-July 31, 1965

AF 33(616)-6428

Monthly Progress Reports nos. 7-10, November 1, 1959-July 1, 1961  
Final Report, July 1962  
TR no. 1: Computation of Invariants in Continuous and Discrete Manifolds, S. Cheng et. al., July 1962, May 1963  
TR No. 3-1: A Dynamic Signal Analyzer, M.L. Babcock et. al., January 1962

AF-OSR 70-1865

Interim Technical Reports, May 31, 1970-October 31, 1971  
Monthly Progress Report no. 22, January 1968  
TR No. 17: Functional Organization of the Tectum of the Tiger Salamander, Edward R. Gruberg, October 1969  
TR No. 18: Cylinders: A Relational Data Structure, Paul E. Weston, February 1970

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TR No. 19: Neural Modelling: Methodology, Techniques and a Multilinear Model for Information Processing, Michael G. Wilkins, November 1970  
TR No. 20: Real-Time Display Techniques for the Neurophysiological Laboratory, Kenneth J. Kokjer, October 1970  
TR No. 21: A Measure of Dimensional Complexity for Multidimensional Systems, Robert F. Madden, October 1970  
TR No. 22: Pulse Interval Representations of Speech Events, J.W. Atwood, October 15, 1970  
TR No. 23: To Approach Music, Robert John Martin Jr., May 1972

CA-04044-04

Report No. 1: Some Remarks on Changing Populations, Heinz von Foerster, Undated  
Report No. 3: Mitotic Indices of Dividing and Differentiating Cells, Heinz von Foerster, February 1961  
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TR No. 4: Optimizing Reproduction in a Risky Environment with Communication, Dan Cohen, November 1965

TR No. 5: Significance Feedback in Neural Nets, A.M. Andrew, September 1965

TR No. 6: A Technique for the Analysis of Musical Instrument Tones, Morris David Freedman, October 1965

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Report No. 2: An Automatic Process for the Extraction of Pitch Periods of Speech, J.R. Cohen, June 15, 1970

Report No. 3: A Study of the Free Response Distortion in Speech Processing, M. P. Hoffman, June 30, 1970

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Report No. 5: An Omnidirectional Loudspeaker System, J.M. Struhar, Jr., April 15, 1971

NR 049-123

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TR No. 3: The Present Theory of Switching and Some of Its Future Trends, A.A. Mullin, July 1960

TR No. 4: A Predictive Model for Self Organizing Systems, Gordon Peck and Heinz von Foerster, June 1960

TR No. 5: Some Logico: Philosophical Comments on Self-Organizing Systems, A.A. Mullin, November 1960

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TR No. 1 and 2: Linear Property Filters, Alfred Inselberg and Heinz von Foerster, July 1, 1962

TR No. 4: Cybernetic Ontology, Gotthard Günther, April 1, 1962

TR No. 5: Discrete Two Dimensional Property Detectors, Douglas H. Taylor, April 15, 1962

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Quarterly Technical Progress Report nos. 10-11, December 1, 1969-May 31, 1970

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