

RSM #51

GRANT IN AID TO:

DARTMOUTH COLLEGE, HANOVER, NEW HAMPSHIRE

AMOUNT: \$7,500

DEC 28 1955

ACCOUNT: To be charged to RF 54163-BMR  
leaving a balance of \$ 51,078

PREVIOUS ACTIONS: None for this purpose.

ADDITIONAL INFORMATION: A committee has been formed at Dartmouth College to organize the "Dartmouth Summer Research Project on Artificial Intelligence." It is proposed to carry out a study during the summer of 1956 on the theory of computers and brain action for possibly a two-months' period including a carefully selected group of about ten scientists. The study is to proceed on the basis of the conjecture that every aspect of learning or any feature of intelligence can, in principle, be so precisely described that a machine can be made to simulate it. An attempt will be made to find how to make machines use language, form abstractions and concepts, solve kinds of problems now reserved for humans, and improve themselves.

The originators of this proposal include Dr. John McCarthy, Assistant Professor of Mathematics, Dartmouth College, C. E. Shannon, Mathematician, Bell Telephone Laboratories, M. L. Minsky, Harvard Junior Fellow in Mathematics and Neurology, and N. Rochester, Manager of Information Research, IBM Corporation, Poughkeepsie, New York.

The invitations will be made by the organizing committee on the basis of its estimate of the individual's potential contribution to the work of the group. The members will circulate their previous work and their ideas for the problems to be attacked during the months preceding the working period of the group. During the meeting there will be regular research seminars and opportunity for the members to work individually and in informal small groups. The officers of the Foundation do not feel in a position to underwrite the entire study but they would like to make a contribution toward it. Expenses will include stipends, travel and rent, secretarial and organizational costs, and contingencies.

A grant of Seven thousand five hundred dollars (\$7,500), or as much thereof as may be necessary, is hereby approved for DARTMOUTH COLLEGE, Hanover, New Hampshire, as a contribution toward the expenses of the Dartmouth Summer Research Project on Artificial Intelligence, the funds to be available for a period of one year beginning approximately January 1, 1956.

*Ram*  
\_\_\_\_\_  
Director for Biological and Medical Research

*ant* *George S. K. Jho*  
\_\_\_\_\_  
Comptroller

DATE: DEC 22 1955

*Warren Weaver*  
\_\_\_\_\_  
Vice-President for the Natural and Medical Sciences