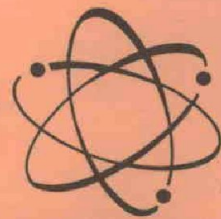




ARMY RESEARCH AND DEVELOPMENT



MONTHLY NEWSMAGAZINE OF THE OFFICE OF THE CHIEF, RESEARCH AND DEVELOPMENT
Vol. 4, No. 3 March 1963 • HEADQUARTERS, DEPARTMENT OF THE ARMY • Washington 25, D.C.

National Junior Science, Humanities Symposium Opens Apr. 3

Army Research Office Alters Divisional Structure After Approval of Technical Information Program

Management improvement realignments in the U.S. Army Research Office effected Feb. 12 provide for establishment, as one of its major elements, a new Office of the Director of Army Technical Information.

The Research Support Division, the only one of the original six divisions that had retained its name unchanged since USARO was established on Mar. 24, 1958, was abolished. Minus three of its former branches, it was redesignated the Scientific and Technical Information Division, with three new branches.

The STI Division is headed by Col Andrew A. Aines who had served as Chief of the RS Division since September 1962. Effective Oct. 24, 1962, he was designated Director of Army Technical Information by order of Assistant Secretary of the Army (R&D)
(Continued on page 3)

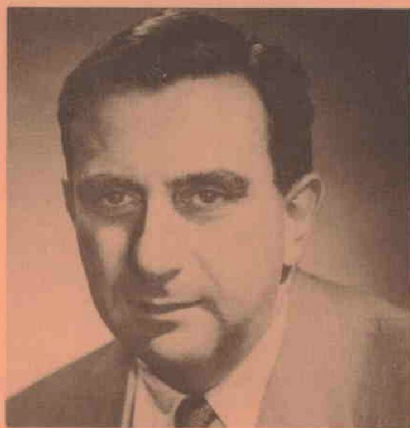
Info Program Acclaimed As Well-Considered Drive Against Challenging Task

The Army Scientific and Technical Information Program, approved by the Director of Defense Research and Engineering as a well-considered plan for an aggressive attack on problems in a troubled environment, is being set in motion.

Like any infant it will have to learn to walk before it can run and its multifarious midwives, including nearly 100 of the most respected authorities in the scientific information field, recognize a rocky road ahead.

Program implementation is assigned to a new Office of the Director of Army Technical Information, as of this time attended only by the Director, Col Andrew A. Aines, and his Deputy, Peppino N. Vlannes.

During coming weeks a highly skilled staff is to be recruited to ensure that proper care, guidance and support are provided the program at
(Continued on page 4)



Dr. Edward Teller



Col Andrew A. Aines
Director, Army Technical Information

Technology Group Experiments on Problem Solving

A 5-week panel discussion experiment in resolving specific scientific and technical problems to the most advanced state of knowledge is planned by the Advanced Technology Group, U.S. Army Research Office, with the support of other Army and Federal agencies.

Exploratory sessions Feb. 25 through Mar. 1 to develop the techniques that will be followed brought

Dr. Edward Teller Accepts Keynote Address Invitation

Nationwide growth of the U.S. Army Junior Science and Humanities Symposium Program, aimed at interesting outstanding high school science students in Federal Civil Service careers, will reach a 5-year peak with the First National JSH Symposium.

Scheduled Apr. 3-5 at the U.S. Military Academy, West Point, N.Y., scene of the past three biennial Army Science Conferences for some 450 leading senior scientists, engineers and administrators, the Symposium will bring together 125 students selected from 16 regional JSH meetings during the academic year. About 50 selected science teachers will attend.

Dr. Edward Teller, internationally renowned nuclear scientist, will give
(Continued on page 2)

Featured In This Issue . . .

President's Advisory Unit Stresses Technical Information Need	p. 3
Microminiaturization Wins Army Scientist Flemming Award	p. 6
ARTS, Problems Guide, Contractors Guide, Tech Forecast Delayed	p. 11
Army Cancer Detection Method Applied to Treatment	p. 11
Army Preparing Film to Stimulate Research on Fuel Cell Power	p. 14
New Program Seeks Better Use of Tech Societies in Army Research	p. 15
USAMC, USACDC Memo of Agreement Identifies Responsibilities	p. 17
CSC Hall of Fame Exhibit Shows Incentive Awards Inventions	p. 18
Construction Started on \$3 Million Research Labs at Edgewood	p. 20
Redstone Scientists Develop Pure Fluid Valve for Missiles	p. 24
Army's 10-Year Food Radiation Research 'Brings Home the Bacon'	p. 26
Army Research Leaders Favor Postdoctoral Program Expansion	p. 28
Project HARP Conducts First Firings in Upper Atmosphere Probes	p. 34
Helicopter Lands at South Pole Accent Army Role in Antarctic	p. 36

together representatives of the U.S. Army Materiel Command, several Army laboratories, the Air Force, Navy and other governmental research and development activities.

One management and four technical problems presented by the technical divisions of the U.S. Army Research Office were considered with respect to

(Continued on page 5)