

### Canada contributes to international study of science and technology

Canada has committed \$25,000 to a new Club of Rome study to identify where science and technology may most effectively be applied to solving world problems, Mrs. Jeanne Sauvé, Minister of State for Science and Technology, announced recently. Canada's contribution is the first from any nation to this follow-up of the Club's widely-discussed report, *The Limits to Growth*.

Dr. Dennis Gabor, a winner of the Nobel prize and inventor of holography, will lead the research study, to be called "The New Research Imperative". His team includes two more Nobel laureates, Dr. Norman Borlaug of Mexico and Dr. Emilio Serge of the United States, as well as ten other eminent scientists from other countries.

The Club of Rome is an unofficial grouping of up to 100 scientists of international reputation whose aim is to define key problems of man's predicament and indicate solutions.

Among the Canadian members are Senator Maurice Lamontagne, chairman of the Senate science policy committee; Dr. Pierre Gendron, president, Pulp and Paper Research Institute; Dr. Robert Uffen, Dean of Applied Science, Queen's University; Ronald Ritchie, vice-president, Imperial Oil Ltd; and Dr. J. Rennie Whitehead, assistant secretary, Ministry of State for Science and Technology.

The new study will attempt to identify specific areas where science and technology may be effective. It then will be reviewed by science ministers of various countries to introduce political judgments and achieve more balance.

The report will be one of the first internationally-prepared documents which makes practical recommendations for research and development with positive indication of where government policies could be effective. ,

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### Metallurgist wins U.S. award

Sol L. Gertsman, chief of the Physical Metallurgy Division of the Department of Energy, Mines and Resources, has been chosen by the American Foundrymen's Society (AFS), to receive the Thomas W. Pangborn Gold Medal for 1973 — the society's highest form of recognition for those who have served the industry well.

The coveted award (the seventh to be presented in 15 years) was conferred on Mr. Gertsman on May 2 at the seventy-seventh AFS Casting Progress held in Montreal from April 30 to May 4, the first time the Congress has been held in Canada.

Mr. Gertsman has always been active in various technical societies and organizations such as the Canadian Institute of Mining and Metallurgy, where he was chairman of the executive committee of council and also chairman of the Ottawa branch. Internationally, Mr. Gertsman has served on committees of the North Atlantic Treaty Organization for Economic Co-operation and Development and the International Standards Organization. He is immediate past chairman of the Technical Co-operation Program Metals Committee (Australia, Britain the United States and Canada) and past chairman of the Defence Research Board Structures and Materials Committee, which advises on research grants to Canadian universities. He is listed in the twelfth edition of *American Men of Science* and he is a trustee on the board of the American Society for Metals. He was elected a Fellow of the Society in 1970.

### University students voluntary tutors

University students in Nova Scotia are taking part in a volunteer program called "Outreach Tutoring", under which they spend an evening a week with elementary school children who are having difficulties with their school work.

This project, first proposed to the student councils of Dalhousie and Mount Saint Vincent by Veith House Community Centre, has been going since autumn 1970. For its first two years, "Outreach" ran on a small scale (about 60 tutors and 60 children), relying mainly on word-of-mouth to

bring the program to the attention of both university students and parents. This year, however, nine schools are to be involved; and almost 200 university students are needed for tutoring.

### Workshop beginnings

To "tutor the tutors", a workshop was held at Dalhousie University, where the students heard such speakers as John Bremer and Dr. Barbara Clark of Dalhousie's Education Department, Dr. Joseph Lauwerys of the Atlantic Institute of Education, Paul Cable from the Halifax School Board, and Ernie Rafuse from Veith House. Each tutor also received a "resource" kit to help him in his work with the children.

The program has been instrumental in establishing several new projects and helpful in continuing existing ones. For example, the tutors are assisting with a remedial reading program now in its second year.

The "Outreach" program hopes to continue its in-service training programs throughout the year to provide a forum where the student-tutors can discuss their ideas, successes, problems and feelings about their tutoring work. As the year continues, a training film and slide presentation will be made, and it is possible that a book about the tutoring program will be published in the summer.

The whole "Outreach" operation is run by the university students and is funded by their student councils: an exciting example of how the university can involve itself with the schools and the people of the community.