



Science for Peace

C/O PHYSICS DEPARTMENT, UNIVERSITY OF TORONTO, TORONTO, ONT. M5S 1A7

PRESIDENT — ERIC FAWCETT (416) 978-5217
SECRETARY — TERRY GARDNER (416) 978-6926
TREASURER — DEREK PAUL (416) 978-2971

BULLETIN

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Editor's note: This Bulletin is open to notices, correspondence and brief reviews of important articles and books. It now costs at least 30¢ to mail each issue off campus; if any recipient has an alternative address within an Ontario university, the Government of Ontario or the Toronto Board of Education, please inform the editor so we can make use of an internal mail system.

Editor: E.J. Barbeau, c/o Room A102, University College, University of Toronto, Toronto, Ontario M5S 1A1. Phone: (416) 978-8601.

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SFP thanks Doreen Morton for typing this Bulletin.

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82.1. ANNUAL GENERAL MEETING: MARCH 31, 1982

Science For Peace will hold its Annual General Meeting on Wednesday, March 31, 1982 at 6:00 p.m. in the Senior Common Room of Trinity College, University of Toronto. Agenda includes reports by the officers and the election of new members of the Board of Directors.

Immediately afterwards at 7:00 p.m. will be the First Anniversary Supper and Symposium. After buffet supper, the symposium will be on the theme "Science and World Peace - Progress in one year?". Registration \$10 - WHY WAIT FOR SPRING? BOOK NOW. Use the tear-off form on the enclosed announcement, or phone (416) 978-2971, before March 12 please.

More information: John Hewitt, 978-2976.

82.2. CITY REFERENDUM ON GLOBAL NUCLEAR DISARMAMENT

Why should municipalities be concerned with nuclear disarmament? Is this not properly a matter for national governments? If hostilities do break out, it will be the cities and towns who will be responsible for organizing, sheltering and providing medical attention to their populations. But the nuclear destruction

of facilities and injury to citizens will be so pervasive and profound that it will be a hopeless task. There are no practical steps to recover from a nuclear attack. The only recourse to preserve public health and safety is to eliminate the possibility of nuclear war. On December 2, 1981, Ottawa City Council decided to hold a referendum to determine the opinion of its citizens on disarmament, and Mayor Marion Dewar has written to 1043 Canadian mayors to encourage their councils to take similar action.

Toronto City Council decided on January 28, 1982 to hold its referendum on global nuclear disarmament on election day in November. This is a tremendous achievement for Operation Dismantle; we suggest that you support them and return the enclosed questionnaire. The question to be put to the electorate is essentially the same as that on the Ottawa referendum, and the message it will bring to government is clear: the main concern of the Canadian government must be disarmament and not, as stated by the Minister of External Affairs in a recent speech in Los Angeles, "to convince the Canadian people of the necessity for strengthening the military power of the NATO allies".

82.3. CANADIAN INSTITUTE OF INTERNATIONAL AFFAIRS (CIIA)

CIIA has a first-class library on all aspects of international affairs which may be used by members of the public, i.e., it is not restricted to University of Toronto people. Books may be borrowed from the CIIA library for a small fee, files of press clippings and UN documents are available and there is an excellent collection of periodicals, journals and newspapers. The staff are friendly (Mrs. Jane Barrett and Ms. Martha Foote) and the only problem is finding the CIIA library: its official address is 15 Kings College Circle, but it is located in the North Wing of University College on the ground floor of the Laidlaw library. You enter from the north-east, from Tower Road, and if you get lost the telephone number is 979-1851.

82.4. PROFESSIONAL SOCIETIES

PHYSICISTS: the Canadian Association of Physicists (CAP) is meeting this year at Queens University, Kingston, June 14-17, 1982. We urge physicists who are members of Science for Peace, whether or not members of CAP, to send in papers to a contributed paper session on Physics and Society. CAP is currently considering the responsibility of the physics community to society, and papers from concerned physicists on societal problems such as physics and the arms race, verification of arms control agreements, technology assessment, physics and development, technology transfer to the third world, physicists and human rights, etc. should galvanise the executive into action. The invited paper session on Physicists and the Nuclear Arms Race at the 1981 CAP Congress in Halifax served to raise consciousness of members of CAP. But unless we follow through with a clear plan of action the executive of CAP will sink back into apathy with a sign of relief.

CHEMISTS, BOTANISTS, MATHEMATICIANS, ECONOMISTS, etc. who are members of Science for Peace should try to get their Canadian Professional Society moving towards recognition of its responsibility to society and to taking appropriate action.

82.5. SCIENCE FOR PEACE LIBRARY

There is a small library in Room 129F of the McLennan Physical Laboratories which Toronto members are encouraged to use. For first use look for Brydon Gombay in Room 129F, Monday or Wednesday 10:00 - 12:00 a.m. or 2:00 - 4:00 p.m.

82.6. INTERNATIONAL SATELLITE MONITORING AGENCY (ISMA)

The ~~enclosed~~ Brief to the Standing Committee on External Affairs and National Defense will be presented at public hearings on Security and Disarmament, which are being held in Ottawa during February. Members of Science for Peace may regard this brief on ISMA as a position paper, which joins the Kennan Proposal, sent out with the last Bulletin, in defining our policies.

82.7. UNITED NATIONS ASSOCIATION IN CANADA (UNA)

The UNA will host a major conference on "The Arms Race Revived: an Outlook for the Eighties" in Toronto, May 13-15. The speakers include John Kenneth Galbraith, Herbert York, Georgi Arbatov, Rod Byers, John Caccia, John Polanyi, Inga Thurson, Paul Warnke. Science for Peace will be helping with the arrangements and will provide workshop leaders and chairmen. The fee for the whole conference is \$48.00, including \$20.00 for the banquet and \$10.00 (or \$30.00 with banquet), and membership of UNA is not required to attend.

The lecture "The Waste of the Arms Race" by John Kenneth Galbraith, chaired by Walter Gordon, will be given in Convocation Hall at the University of Toronto at 8:00 p.m. on Thursday, May 13: admission \$2.00 (or included in registration fee).

Further information may be obtained by writing to UNA, 63 Sparks Street, Ottawa K1P 5A6, Tel. (613) 232-5751. UNA would welcome your membership and participation in their activities. Their membership fee is \$15.00 which when added to \$15.00 to Science for Peace is quite reasonable, especially since we hope our fee like theirs will soon be tax-deductible!

82.8 UNITED NATIONS SPECIAL SESSION ON DISARMAMENT (UNSSOD II)

Peace groups across Canada are determined to make a strong demonstration of support for the World Disarmament Campaign to be launched in 1982 at UNSSOD II. Activities are being organized in major cities in Canada, culminating in a huge international demonstration in New York City on Saturday, June 12.

Members of Science for Peace will learn about local activities in due course, but we shall describe briefly the tentative plans and dates proposed thus far.

Vancouver	:	demonstration April 24
Ottawa	:	Operation Dismantle plans a demonstration on Parliament Hill, April 25.

Ottawa : Coalition for World Disarmament plan - a Conference in Ottawa May 8, 9 (still tentative).

Toronto : the Toronto Disarmament Network is planning three days of activities June 4-6, starting with a public meeting in Convocation Hall which Science for Peace will help to organize.

Operation Dismantle has chartered three buses to go to New York, leaving Ottawa, Friday night and returning Saturday night, June 12. The fee will be \$53.00. We shall let members of Science for Peace know of similar plans for buses from other cities.

82.9. CHAIR OF PEACE STUDIES AT UNIVERSITY COLLEGE

The proposal for a Chair of Peace Studies has been newly submitted, by University College, to the Private Support Project Review Committee, strengthened by offers to cross-appoint a suitable candidate stemming from Medicine, Engineering, The Institute for the History and Philosophy of Science and Technology, and within Arts and Science from Economics, Philosophy and Physics. The School of Graduate Studies has also written, offering institutional support for the proposal.

The Committee meets February 8, with the Peace Chair on its agenda.

We wait. And while we wait, we invite your suggestions on both funding and the search!

-Terry Gardner

82.10. SCIENCE FOR WAR?

Should we help to bail out a U.S. Administration overspending on overkill? Recently a memo has gone from the U.S. Deputy Secretary of Defence to relevant U.S. agencies encouraging them to contact defence research in Canada under the Defence Development Sharing Agreement, which was reaffirmed during Reagan's visit to Ottawa last Spring. Copies of this memo have been sent to the research administrators of Canadian Universities by an official of the Ministry of Trade and Commerce, along with a letter implying encouragement of such cooperation. The advice seems questionable.

The wording of the U.S. memo is revealing: "this could save millions annually". It seems that under the DDSA Canada will pay up to 75% of the costs of such research! At a time of severe shortage of funds for high technology research directed to Canadian civilian needs, it sounds like folly to squander our resources in helping a foreign nation's military buildup (quite aside from one's personal moral viewpoint of such activity).

There are other worries about it. For example patent rights on resulting technical developments would in many cases revert to the U.S. government. And

it gives the U.S. effective knowledge of activities in our technological research labs -- a high-level form of industrial spying.

A memo on this subject has been given to the Hon. John Roberts, Minister of Science and Technology; we are awaiting a reply. (This is appended to this item.)

A second aspect of the issue is seen in recent pressure for University scientists working in communications and other high-technology fields to seek security clearances when applying for or accepting research support from departments of the Canadian government. Does this have any place in an academic institution in peacetime? It raises the spectre of the subversion of our research institutions into the servicing of the military-industrial complex, in the manner of the U.S.

We intend to pursue the matter in Ottawa and to draw the issue to the attention of our colleagues in other Universities. Comments on these issues are welcome.

-John Valleau

To: Hon. John Roberts, Minister for Science and Technology
 From: Professor Eric Fawcett, President of Science for Peace
 Re: "Canadian Government...could save the U.S. Government millions of dollars annually"

A memorandum dated November 10, 1981 (enclosed) from Frank C. Carlucci, Deputy Secretary of Defense for the U.S. Government, to all the Secretaries of the Military Departments, reminds them that under the existing U.S./Canadian Defense Development Sharing Agreement (DDSA), reaffirmed when President Reagan visited Ottawa in March 1981, the Canadian Government funds up to 75% of development costs. He urges them to ensure that "acquisition personnel are familiar with these arrangements and that they are being implemented".

We are deeply concerned as members of the scientific community of Canada, as members of the University of Toronto and as members of Science for Peace about the implications of this memorandum:

- 1) at a time when research funds in Canada for work in high technology fields such as communications and micro-electronics related to needs of the civilian economy are in short supply, we can ill afford to subsidize U.S. military research
- 2) patent rights for research carried out under the DDSA in many cases reverts to the U.S. Government
- 3) research under the DDSA may involve security clearances and the use of classified information and is therefore inappropriate in a University where the free flow of knowledge and discussion is an essential benefit

- 4) there is a great danger that Canadian research institutions will be suborned into military areas to as large an extent as U.S. research institutions already are.

In view of this I should like to request an explanation why this memorandum has been given wide circulation in Canada in a letter dated December 17, 1981 (enclosed) from R.M. Chell, Director General of the Defense Program Branch of the Ministry of Industry, Trade and Commerce to, among others, Research Directors in the universities. Perhaps the Minister of Science and Technology is unaware of this undermining of Canadian interests? He should at least be aware of the fact that the financial cost to Canada is millions of dollars annually!

82.11. PUGWASH: BANFF 1981

The report of the 31st Pugwash Conference held at Banff, Alberta, August 28 - September 2, 1981 is enclosed with this newsletter.

82.12. CHEMICAL WARFARE WORKSHOP REPORT

Enclosed with this newsletter is a brief report, produced by Derek Paul in collaboration with others on the Chemical Warfare Workshop held at the University of Toronto on January 9, 1982.