



[Excerpted]



# Newsletter

Eleven Sept. 1988



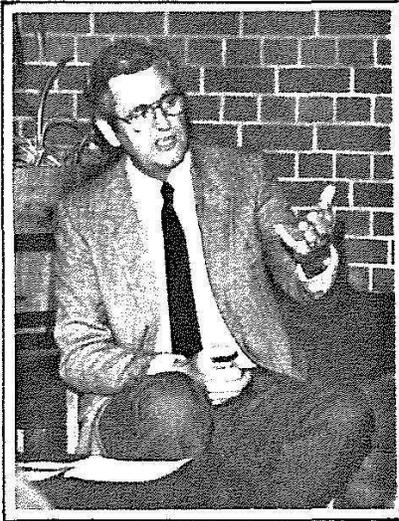
"And what this means is..." A student in the Spring '88 edition of STV 100 explains her project in the final class. 42 students were enrolled, 29 from the Engineering Faculty.

## CONFERENCE PROCEEDINGS SET FOR PUBLICATION

Proceedings from CSTV's March 1988 conference, Professionals and Social Responsibility: Conflict or Congruence, will be published next year by the Journal of Business Ethics. Co-editors of two issues of the Journal devoted to the conference are RUSSEL LEGGE and STEVE JONES. Altogether fourteen papers from authors Brooks, Cohen, Frankel, Gotlieb, Hurteau, Keatings and Dick, Perry, Rapoport, Santa Barbara, Savan, Sheinin, Stevenson, Vanderburg and Waks are slated for inclusion.

## CONFERENCE VIDEO AND AUDIO TAPES

Many sessions of the Professionals and Social Responsibility conference were recorded in either (or both) video or audio form. Tapes are available at the new CSTV office. Course instructors and other Newsletter readers may find them relevant to certain classes and STV issues. For more information, call the Centre at UW ext. 6215.



#### CSTV DIRECTOR SEES PROGRESS, REAL AND SYMBOLIC

"Consolidating our situation in the University" will continue to be an important goal for the Centre in 1988-9, says Director RUSSEL LEGGE. The Centre's move to more adequate space in the Math and Computer building (MC 4049 and adjoining rooms) symbolizes what is becoming "a definite commitment from the University to the Centre as an ongoing integral part of UW with a specific role to play." Up to now, this commitment has been somewhat amorphous and tentative, Legge says. The office move helps "give visibility to UW's concern for the human dimension of science and technology."

One highlight of the Centre's activity this year will be the involvement of Legge, SALLY LERNER and GEORGE FRANCIS in a major research project headed by JOHN ROBINSON. Robinson and CSTV have acquired a \$100,000 SSHRC grant to explore "prospects for the development of a future Canadian society that is sustainable in environmental, economic and social terms." (See separate story in this issue.)

Legge sees this project as "just the beginning" of the Centre's involvement in research into the "human context of science and technology." (That's also the actual name of the SSHRC program providing the funding for the study.)

The Director also anticipates more student participation in the STV undergraduate option, the continuation of established CSTV activities, and the initiation of some new efforts. A conference with US social philosopher Langdon Winner (see separate story) will be an important new item on the Centre's agenda.

As for achievements in the past year, Legge checks off growth in the STV option, the success of Brown Bag discussions, and other CSTV sponsored and co-sponsored events that are now "tested and proven and part of the University's regular activity" and that are building the "reputation and credibility" of the Centre.

Most significant in last year's program was the Professionals and Social Responsibility conference, says Legge, particularly the publication of the conference proceedings, which will be "a major UW contribution to the whole area of professional ethics." He expects the proceedings to extend the dialogue between UW and professional organizations that began with the March 1988 event.

Another positive sign, the Director notes, is the enthusiastic interest that UW grad students are showing in STV issues. Grads GED McLEAN and TIM TOPPER (both in Systems Design) and DAVID LONG (Sociology) will be teaching STV courses this year--McLean and Topper are veterans--and ERIC HIGGS was central to the activity last year.

"Clearly grad students want to work in this area," says Legge, "and this should be encouraged by all UW faculties."

Inadequate staffing for the Centre's office and its programs was a problem a year ago. But this too seems to have turned the corner. With the addition of Kathy Sharpe as administrative assistant and some re-structuring of duties among Sharpe, Legge and Steve Jones, Legge hopes to see "a great improvement in the quality of communications and services" that the Centre provides. He's quick to add that if more resources were available, even

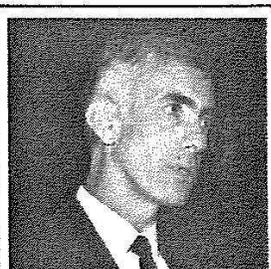
more could be accomplished--and at the same time that the support of UW's vice-president (academic) has been crucial to the Centre's development so far.

Also in the plans are closer links with other interdisciplinary programs, including Women's Studies and Liberal Science. CSTV will administer Liberal Science this year, with Legge as interim director while GEORGE ATKINSON is on sabbatical.

What's the best thing that could happen in 1988-9? Legge's fast answer: "If the number of faculty involved with the Centre would increase and intensify!" When questions about the environment, resource depletion, lifestyle and the quality of life are becoming more critical each day, "there's no segment of the University that can afford to ignore these issues," Legge cautions.

What's needed, says the Director, is not more of a "business as usual" attitude. "With the power of the new technologies, more and more interdisciplinary work is required to find ways to use this power," Legge says. The aim must be "to truly benefit the human community and at the same time not to destroy the environment and the other creatures who inhabit the earth with us."

#### SPRING 1988 EVENTS IN REVIEW



Borgmann  
(top)  
and Higgs

ALBERT BORGMANN, author of Technology and the Character of Contemporary Life and a professor at the University of Montana, was at UW in June. He gave a lecture called "Beyond Sullenness and Hyperactivity: the Crisis of American Culture" (so-sponsored by CSTV, Philosophy, Independent Studies and the Faculty of Arts) and a Philosophy colloquium entitled "Helplessness and Consolation: Reflections on the State of Philosophy." (Borgmann, Langdon Winner, and others were participants in a CSTV workshop held at UW in 1986.) After his June 1988 stop here, Borgmann, Eric Higgs and Russel Legge attended an Ecology of Knowledge conference in the Ottawa area.

ERIC HIGGS, the STV Option co-ordinator last year, received his Ph.D. from UW in May, got married in June, and is now spending the year in New York. He'll be back for a visit, probably for the Langdon Winner event, which he helped organize.

"Connections," the acclaimed British TV series on history, science, technology, invention and much else, was screened again this spring (at student request), reports organizer CARL THOMPSON (Civ Eng). About 150 attended the weekly noonhour sessions. Co-sponsors were CSTV, the Deans of Science and Engineering, and student chapters of the Canadian societies for mechanical and civil engineering. The same groups also co-sponsored the showing of a video of a 1987 address given at UW by Alexander King, co-founder of the Club of Rome.

C A L E N D A R

- 13 Sept.  
Tuesday  
3:30 p.m.
- ECO-PLANTING AND CORN ROAST
- Planting of trees and shrubs at the Robert Dorney Ecology Garden. Sponsored by WPIRG. Followed by corn roast. Location: ES 1.
- Details: WPIRG, UW ext. 2578
- 14 Sept.  
Wednesday  
7 - 10 p.m.
- STV 200 PROJECTS COURSE
- First meeting.
- Details: Russel Legge, 885-1460
- 20 Sept.  
Tuesday  
7 p.m.
- WATERLOO STUDENT PUGWASH
- First general meeting.
- ES 1, room 350
- Details: Hu MacDonald, 746-5009
- 21 Sept.  
Wednesday  
7:30 p.m.
- ENVIRONMENTAL IMPACTS OF FREE TRADE
- Speakers: Steve Shrybman, Canadian Env. Law Assn; Donald Gamble (Rawson Aca. of Aquatic Science). Sponsored by WPIRG.
- Siegfried Hall, St. Jerome's College
- Details: WPIRG, UW ext. 2578
- 22 Sept.  
Thursday  
8:30 a.m. -  
6:00 p.m.
- CONFLICTS: MANAGING, RESOLVING, WINNING
- Short course on strategic decision-making. Offered by UW Inst. for Risk Research.
- Toronto Airport Holiday Inn. Fee: \$450.
- Details: Jean Webster, UW ext. 3355
- 23 Sept. -  
25 Sept.  
Friday -  
Sunday
- INTERNATIONAL SCIENCE POLICY FOUNDATION
- First annual conference.
- Kingston, Ontario
- Details: Sheila McKirdy, 209-4 Cataragui St., Kingston K7K 1Z7. (613) 547-5093.
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27 Sept.  
Tuesday  
7 - 10 p.m.

WOMEN'S FORUM

Information session focussing on the next federal election. Seven women speak on interests and issues relating to native, rural, homeless, immigrant and minority women, and to women of color. Also remarks on free trade and Meech Lake.

Adult Rec Centre, 185 King St. S., Waterloo

Details: Lindsay Dorney, UW ext. 2880

5 October  
Wednesday  
12:15 p.m.

STUDIES OF THE BARGAINING PROBLEM

Speaker: James Schellenberg, Indiana State University.

Conrad Grebel College Great Hall

Details: Lynne Toews, 885-0220

13-14 October  
Thursday-  
Friday

Topics and titles TBA

Speaker: Nel Noddings, Professor of Education, Stanford University

Time and location TBA. Sponsored by Independent Studies, CSTV and other groups.

Details: Howard Woodhouse, UW ext. 2345

20-22 October  
Thursday-  
Saturday

ENGINEERS AND SOCIAL RESPONSIBILITY

UW Engineering student conference.

Location, times, program TBA.

Details: Geoff Vona (416) 968-4767

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THANKS TO THE VARI FOUNDATION

CSTV continues to be grateful for the financial support provided by the George and Helen Vari Foundation. The Centre has recently received a second instalment of \$10,000 from the Foundation which, says CSTV Director RUSSEL LEGGE, is an important affirmation of the Centre's activity. Vari funding helped underwrite the Professionals and Social Responsibility Conference staged by CSTV last March, Legge notes.

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" Alas, I no longer  
have any  
ALTERNATIVES."



Is this the end?

## DON'T EXPIRE!

Or you'll certainly miss these forthcoming issues of **Alternatives**:

### **Wilderness Conflicts**

How will the conflicts over remaining wild areas be resolved? Will the results be important contributions to more comprehensive environmental preservation?

### **Environmental Politics: The Next Decade and Beyond**

What responses should environmental politics offer to the traditional concerns of the Left and Right?

A General Issue will feature articles on poaching and the trade in endangered species.

### **Green Humour**

Is environmental humour necessarily rare? necessarily black? or simply necessary?

### **Women & Development in Canada**

How will women contribute to equitable and sustainable development?

To ensure that you have **Alternatives** in the coming year, send your cheque or money order to:

**Alternatives**  
c/o Faculty of Environmental Studies  
University of Waterloo,  
Waterloo, Ontario  
N2L 3G1

### FALL TERM GRADUATE COURSES

The UW Geography Department is offering a graduate reading course on Women and Development Alternatives in the Third World (Geo 675A). First organizational meeting: Tuesday, 13 Sept., 10:30 a.m., in ES 1, room 225.

Women's Studies is presenting its first grad course this fall, Advanced Feminist Theory (WS 601). Information: Lindsay Dorney, Director of Women's Studies (UW ext. 2880) or Trudy Bunting (UW ext. 3962).

Engineering Risk and Reliability (CCiv 701) is open to graduate students and others. Offered by UW's Risk Research Institute. Information: Jean Webster, UW ext. 3355.

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CSTV OFFICE: NEW LOCATION, NEW PERSON

Our new location, effective sometime in September, is:

MC 4049 (and adjoining rooms)

Phone: UW ext. 6215.

The new space includes offices for the Director, the new Administrative Assistant and the Director's Assistant plus a meeting/seminar room with a library and resource area. An official opening will take place this fall. In the same part of the fourth floor of the Math and Computer building are the offices of TRACE, UW's Teaching Resources and Continuing Education Office.

The new person is KATHY SHARPE, who will be the Centre's part-time Administrative Assistant. She'll take over some of the functions of Steve Jones, who's now serving as the Director's Assistant and the Centre's Development Officer. Kathy has had several years' experience in the UW Registrar's Office and will make a valuable contribution to the Centre's activity this year.

VISITING SPEAKERS THIS FALL

On Wednesday, 5 October, JAMES SCHELLENBERG, vice-president for academic affairs at Indiana State University, will give a free public lecture at Conrad Grebel College on "Studies of the Bargaining Problem." Schellenberg is a sociologist and author of The Science of Conflict, An Introduction to Sound Psychology, and other works.

Stanford University's NEL NODDINGS will be on campus on 13-14 October. She's a professor of education at the California university and has written on science education, moral education, and the education of women. Her book Caring: A Feminist Approach to Ethics and Education was published in 1983 by UCal (Berkeley). Her UW visit is being organized by Independent Studies and co-sponsored by CSTV. More details: Howard Woodhouse. Independent Studies, UW ext. 2345..

DESIGNING A SUSTAINABLE SOCIETY: MAJOR UW/CSTV PROJECT

A major research project, "Designing a Sustainable Society for Canada," headed by JOHN ROBINSON (Director of UW's Waterloo Simulation Research Facility) will include CSTV Director RUSSEL LEGGE, Advisory Board member SALLY LERNER and GEORGE FRANCIS (ERS) as co-investigators. The three-year undertaking, which has received \$100,000 from SSHRC's "Human context of science and technology" grants program, will explore prospects for developing a society that is "sustainable" environmentally, economically and socially. An essential priority as we move into the 21st century, says the project proposal, are "sustainable and environmentally benign patterns of resource utilization and socio-economic development."

Researchers will use "scenario analysis" to trace Canada's path from now to 50 years into the future. The relationship between values and technological/economic development will be assessed, and the feasibility of the scenario's socio-political implications will be evaluated. More details are available from the researchers.

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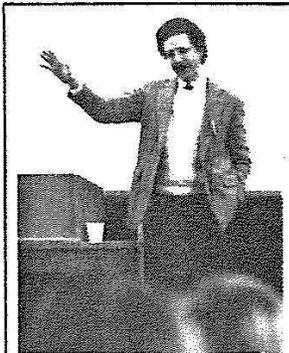
### BROWN BAG SERIES PLANNED FOR FALL-WINTER

CSTV's successful Brown Bag lunchtime discussion series will continue this fall and winter. Plans are underway for several sessions each term, with the final schedule to be announced by flyers and announcements in the UW Gazette.

Scheduled for December (date, etc. TBA) is "Technology and the Love of Fate," a discussion of Canadian thinker George Grant by Conrad Grebel's JAMES REIMER. In the winter term, LINDSAY DORNEY, UW's Director of Women's Studies, and DOREEN BRISBIN, Advisor on Academic Human Resources, will discuss some aspects of women, science and technology.

Suggestions for additional topics and speakers are welcome. (Especially if you personally would like to be a speaker!) Brown Bags are informal, and they offer a unique way to discuss ideas with a diverse audience of students, faculty and staff.

For more information--or to volunteer--call the CSTV office at UW ext. 6215.



WINNER  
Returns to  
UW in  
Winter '89

### AUTHOR-CRITIC LANGDON WINNER TO SPEAK AT UW

Author and social critic LANGDON WINNER has agreed to give two special lectures on "Technological Design and the Future of Democratic Societies" at UW in the winter term. Winner is the author of The Whale and the Reactor (UChicago Press, 1986) and a professor of political science at Rensselaer Polytechnic Institute. He'll be the guest of CSTV.

Possible dates for his UW visit are 15-16 February or 1-2 March. He's expected to give two public lectures as well as an informal afternoon session. Winner last came to UW in 1986 for CSTV's Technology and Autonomy workshop. He's also one of the organizers of an international conference to be held at Bordeaux, France later in 1989 on the same theme as his UW lectures.

In The Whale and the Reactor, Winner warns against "technological somnambulism" and offers both a sharp critique and constructive arguments. "The map of the world," he notes early in the book, "shows no country called Technopolis, yet in many ways we are already its citizens."

### CSTV ADVISORY BOARD CHANGES

Stepping down after several years as members of the Centre's Advisory Board are JOHN SCHEY (Mech Eng) and BARRY WILLS (Systems Design). Schey has retired from the University, and Wills is turning his attention to other demanding activities in the Engineering faculty. Both professors have been with the Centre since the beginning and have contributed much wise counsel, time and enthusiasm during the early stages of the Centre's development.

Replacing Schey and Wills are two representatives from Engineering to be designated by the Dean. Continuing members of the Board are Russel Legge, Robin Cohen, Bob Gibson, Sally Lerner, George Atkinson, John Hepburn, Jay Thomson, and Keith Warriner.

## WATERLOO STUDENT PUGWASH RETURNS

After a period of dormancy--nobody really knows how long that was--UW again has its own chapter of Canadian Student Pugwash. Interim co-ordinator is HU MACDONALD, an Independent Studies student and STV course veteran.

Canadian Student Pugwash is a "university-based, educational organization concerned with social and ethical issues arising from science and its technological applications." It dates from a 1957 conference (sparked by Bertrand Russell and Albert Einstein) that was held in the small town of Pugwash, Nova Scotia.

MacDonald, who recently returned from a national planning session in Victoria, has a lot of ideas and enthusiasm for making the local chapter a vital presence on the UW campus.

He wants to reach out to the wide student community at UW, partly by capitalizing on the renewed interest that the general public is expressing in such issues as the greenhouse effect, the depletion of the ozone layer, and so on.

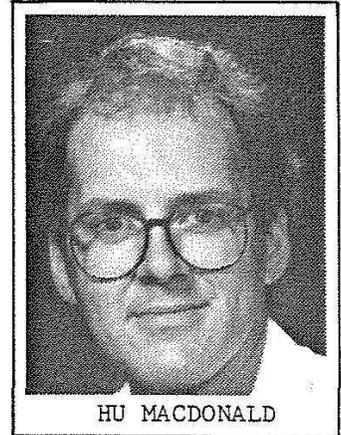
"I'm tired of events where the sponsoring group is only preaching to the converted," MacDonald says. By being non-partisan and fully student-run, Pugwash can stir up debate and provide a forum for wide-ranging discussion, without having to uphold any particular doctrine.

MacDonald wants the group to set "do-able" targets. His program ideas include film events, panel discussions, numerous promotional activities, and "meet-the-faculty-member" sessions. MacDonald and co-worker MARK LEONARD want UW students to become more aware of professors outside their own disciplines who have something to say on science-technology-society issues.

The interim co-ordinator hopes the group will attract 200 members this year. He'll be telling prospective members that they'll gain many benefits from joining the national body. But more important at the local level, they'll be getting a chance to meet new people, to express opinions that may not be acceptable in other settings, and to refine their own ideas through discussion with others.

MacDonald's overall goal is to establish "a viable organization that will survive." He sees the attention now being paid to the important issues as "shamefully low." And, he cautions, "We're running out of time."

The new chapter will have a booth at the Campus Centre during the Student Club Days (15-16 Sept.), and the first general meeting is scheduled for Tuesday, 20 Sept., 7 p.m., in ES 1, Room 350.



HU MACDONALD

### NEWSLETTER PRODUCTION

Editorial and design: Steve Jones

Photography: UW Central Photographic.  
Photo of W.B. Wiegand from a 1969 news  
item in the Kitchener-Waterloo Record.

CALL FOR NOMINATIONS FOR WIEGAND AWARD

WILLIAM B. WIEGAND  
(1889 - 1976)

**NOMINATIONS**  
*Invited*

CSTV is administering the new "Wiegand Award for Canadian Excellence" and is now soliciting nominations for a possible recipient of the first Award, which will be presented in the Winter 1989 term.

The Award, established at UW earlier this year by the Wiegand Memorial Foundation, has a cash value of \$2500. Its purpose is "to recognize Canadians who have made an outstanding contribution to our understanding the human dimensions of science and technology or to making technology more human." Candidates will have "exhibited excellence to a degree meriting special recognition."

The Award will be given annually. Nominations are open to the broadest possible range of candidates--university researchers, scholars, teachers, creative artists, et al.--and the candidates' achievements can take any form from a scholarly book or a TV program to a new device that enhances people's ability to deal more effectively with their lives. One of the few caveats is that the nominee must be a Canadian citizen or permanent resident.

William B. Wiegand, after whom this particular Wiegand Foundation Award is named, was a "chemist turned classicist" born in Conestogo, Ontario in 1889. He did pioneering research in the chemistry of rubber, held 31 patents and wrote more than 50 articles.

For more details, including a nomination form, call the CSTV office at UW ext. 6215. DEADLINE FOR NOMINATIONS: 15 November 1988. Your help in getting the word out will be appreciated.

STV COURSES FALL-WINTER-SPRINGFall 1988

STV 200 Wednesdays, 7 - 10 p.m.

Instructor: Russel Legge (Director, CSTV)

Assistant: Steve Jones (CSTV)

Winter 1989

STV 100 Time TBA

Instructors: Ged McLean (Systems Design)  
David Long (Sociology)

STV 200 Time TBA

Instructor: Tim Topper (Systems Design)

Spring 1989

STV 100 Time TBA

Instructor: Tim Topper (Systems Design)