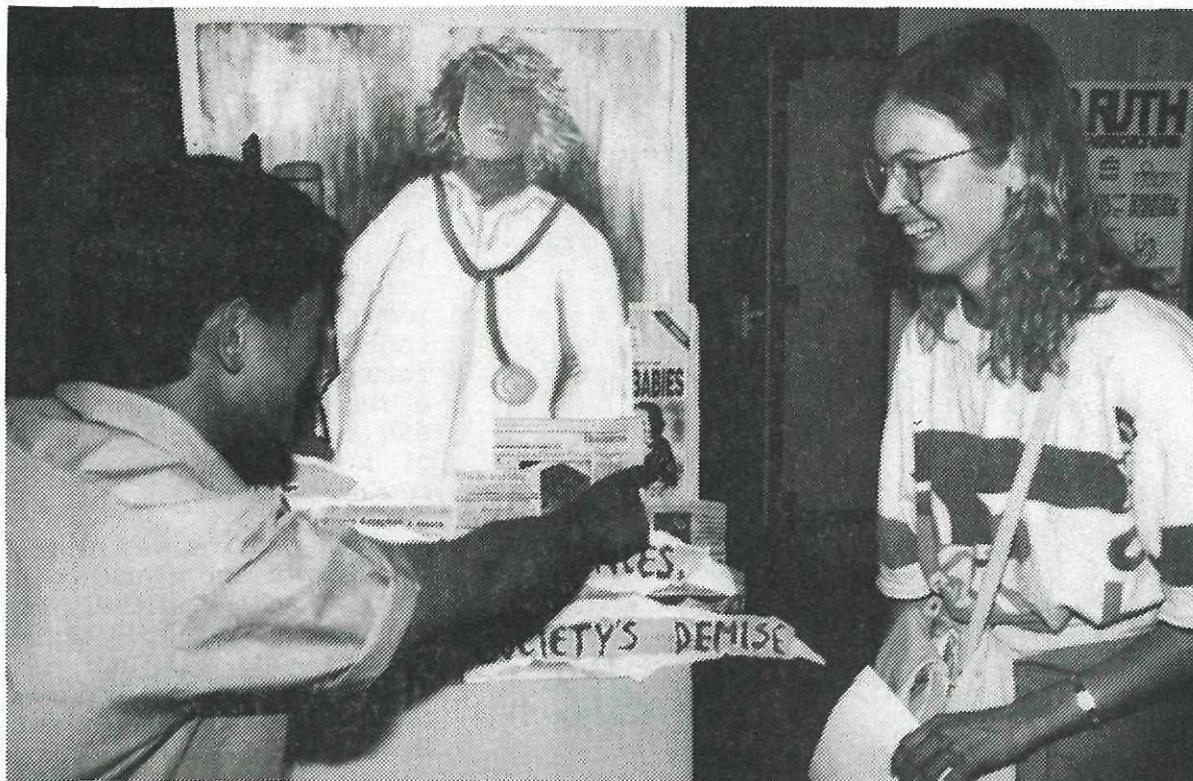




Newsletter



A student in STV 100 (Spring '89) explains a project to TA Norine Verberg.
More photos from this course on pp. 2 and 4.

NEW CSTV PROJECT -- A UW RESEARCH DIRECTORY

CSTV is compiling a Directory of UW faculty members interested or involved in STV research. Various departments are helping the Centre assemble a "useful and timely document."

The immediate push for the publication comes from the announcement last summer of a new joint NSERC-SSHRC scholarship program at the master's level for studies in science policy. Dean of Arts ROBIN BANKS asked the Centre to "provide some leadership in identifying and encouraging at least a few good applications."

The Directory will assist graduate students to locate relevant supervisors, and it will serve other functions as well. The CSTV office will use it in-house as a resource for providing the media with better quality information.

If you're in a UW department and have an interest in STV research, you should have received an information request form for this project from your department chairperson.

If you were missed, call the CSTV office today -- UW ext. 6215.



Peer evaluation--an aspect of the process in STV 100, Spring '89.

JOURNAL OF BUSINESS ETHICS MAKES GOOD

The long-awaited double issue of the Journal of Business Ethics, containing papers from the 1988 CSTV conference on professionals and social responsibility, came out in late August. But it was seriously and disappointingly flawed, having somehow reached the press without reference to the editor's final proof. The good news received this month is that Kluwer Academic Publishers will do a "make-good" -- they will reprint the whole issue. Copies should reach us later this fall.

DAVE LONG LEAVES WATERLOO FOR EDMONTON

DAVE LONG, an STV instructor in the Winter and Spring terms in 1989, has taken a position with the King's College, a small Christian liberal arts institution in Edmonton. He says he'll literally "be" the sociology department of the 10 year-old college, which is now undergoing expansion.

Long taught STV 200 last spring and said in an interview that he was very pleased with the initiative and serious thought shown by students in the course. The course theme was technology and work. Student projects focused on redefining the concept of work, discrepancies among worker and safety regulations of the same company operating in different countries, and the relation of new office technologies to employee stress.

Long said he was pleased with the "growth and evolution" of STV teaching activity at UW, but noted that this has occurred without the benefit of fulltime faculty appointments in the STV area, and that "really meaningful continuity" is lost in the present arrangements.

More professors should get involved with the Centre, and more UW faculty need to speak out about the importance of STV issues. "Private ranting" is not enough, Long added.

Long defended his PhD dissertation, titled "Sacred and Secular Aspects of Religious Life in the West", at UW in early August. Later that month, he and wife Karen and daughter Jennica left Waterloo for Edmonton.

Dave Long's address is:

The King's College
10766 - 97 St.
Edmonton, Alberta
T5H 2M1

NEW DIRECTOR TAKES CHARGE

"I'd never thought of the possibility of becoming director of the Centre," admits Dr. GEORGE ATKINSON (Chemistry), who took on just that role late in the summer. Atkinson was finishing a sabbatical at the University of East Anglia when he received an electronic mail message from UW confirming his appointment.

The new Director may have been surprised, but there's considerable logic to his new position. Atkinson has been with the Centre since the beginning, serving on the original planning team for the STV option and co-teaching the first STV 100 course in Winter 1987.

The Director's term began officially on 31 August, but he came on board earlier, filling in for former director Russel Legge, who had to step down for health reasons.

When asked to indicate the Centre's major recent developments, Atkinson is quick to refer to the appointment of DAVID HURON as STV Option Coordinator. (Huron, a professor at Conrad Grebel College at UW, will take up his duties in the Winter 1990 term.) "

We've been fortunate in getting David Huron to serve as Coordinator," Atkinson says with obvious pleasure. Huron is a composer with a PhD in musicology and, "a considerable interest in the impact of technology on musical composition and performance."

"But what really impresses me is his wide range of other interests (in technology and society). He'll help us ensure that we maintain a breadth of vision in the option courses, and that they continue to deal in depth with areas where technology is imposing changes on our society." (For more on David Huron and other new STV personnel, see p. 6).

The new Director is equally swift to praise the efforts of the UW graduate students who have served as course instructors and teaching assistants for the past several years, and he notes that they've given the Centre more than just classroom teaching.

It's the STV option, largely staffed by these people, that's the Centre's most significant achievement so far, he says. The option is now "a viable thing", while the Centre's other activities such as public lectures, brown bag lunch discussions, and conferences have also had a good measure of success.

**GEORGE
ATKINSON**

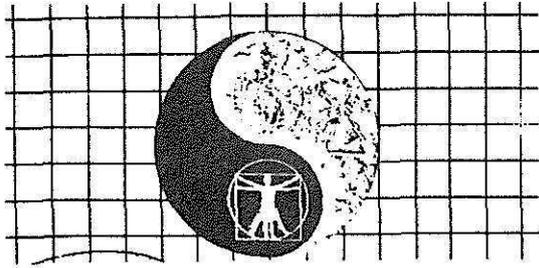
"We need to search actively for new external sources of support"



One area the Centre needs to develop is "fostering interdisciplinary research". The Director has some ideas to explore in this regard.

Along with heading the Centre, Atkinson is serving again as Director of the Liberal Science Program,

(Cont'd. on p. 5)



CSTV GOES TO GUELPH CONFERENCE

CSTV will have a presence at the much-publicized conference on ethics and technology to be held at the University of Guelph at the end of October (see Newsletter 14 for details). Director George Atkinson, Assistant Steve Jones and other STV representatives will attend various sessions and maintain a CSTV information booth. Look for a brief report in the next Newsletter.

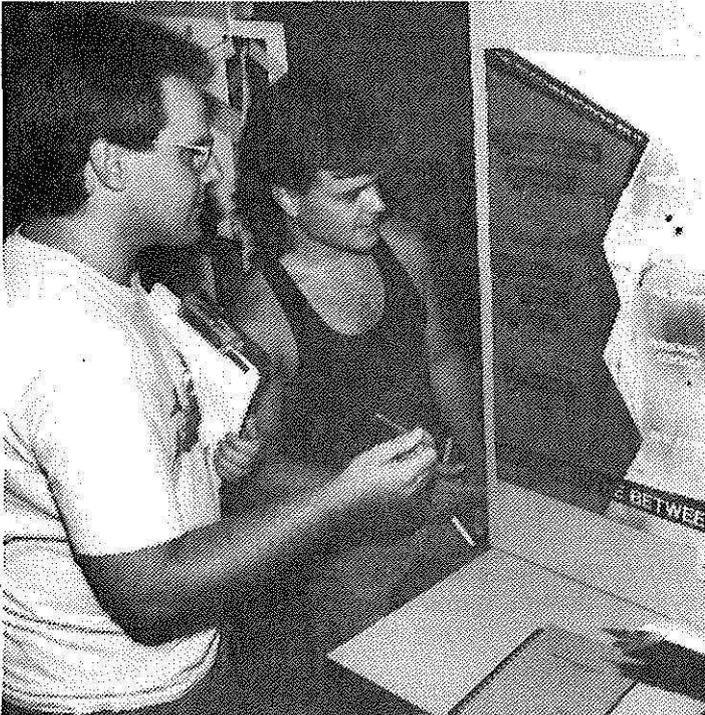
CONFERENCES/CALLS FOR PAPERS

Technology and Literacy 5

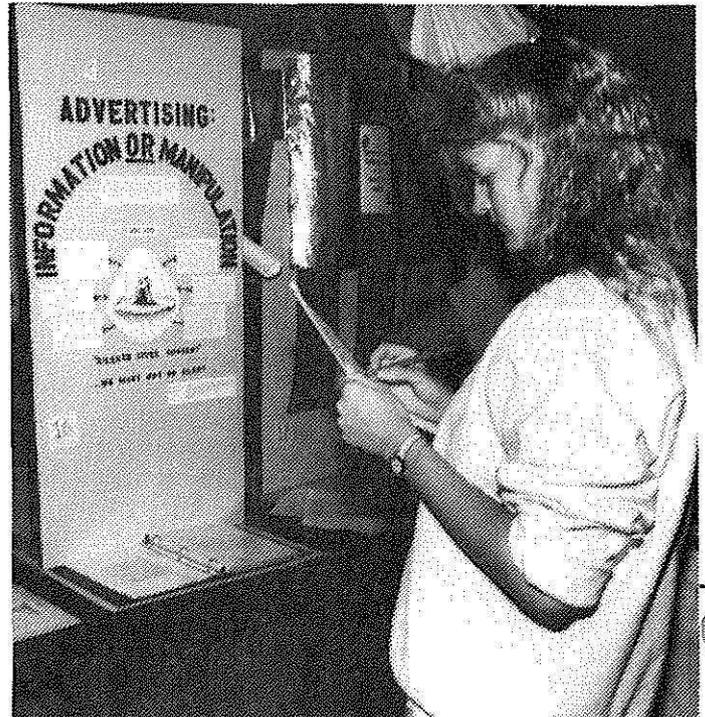
The fifth Technological Literacy conference, conducted by NASTS, will be held in Washington, D.C. in February 1990, and will feature workshops, presentations, exhibits, panels, poster sessions, festivals and other events. Contact: Franz Foltz, NASTS, 117 Willard Bldg., University Park, PA 16802 . Call (814) 865-9951.

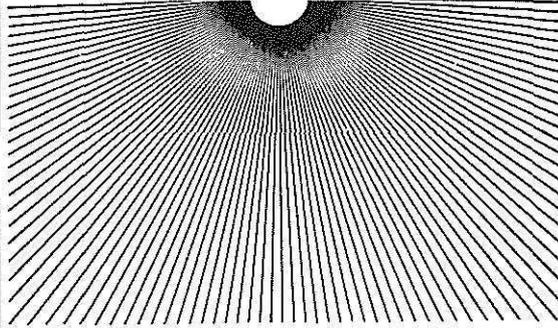
Is there some topic in biotechnology and its commercial, ethical and social impact that you think needs more discussion? The author of Industrial Biotechnology 1988/9 is preparing a book on these issues. Contact: Laurence H. Seenath, Biotech Link, 299-810 W. Broadway, Vancouver, B.C. V5Z 4C9. Call (604) 736-4453.

(L) STV 100 instructor Tim Topper (left) critiques a student project...



(R)... while across the room, one of the 60 students makes a checklist entry





LIBERAL SCIENCE

*Science for
Generalists*

- Degree
- Option

An Interdisciplinary Program

One of the first tangible products of this year's closer connection between CSTV and the UW Liberal Science program is a new student information brochure -- see cover above.

Founded by CSTV Director GEORGE ATKINSON several years ago, the Program offers a four year honours BSc and a three year general degree with a Liberal Science option. The aim of both is to "produce generalists with the capability of understanding specialist areas" and to give students "an opportunity to gain a broader perspective on science than totally specialized study can provide."

For more details, contact George Atkinson at the CSTV office, UW ext. 6215.

which he initiated several years ago in the Faculty of Science, and which now offers both an undergraduate degree and an option.

CSTV's operations will obviously be linked more closely to those of Liberal Science this year, but despite some "overlapping interests" the two programs will retain their own identity and integrity. As well, the Centre will maintain its active association with UW's many other interdisciplinary programs.

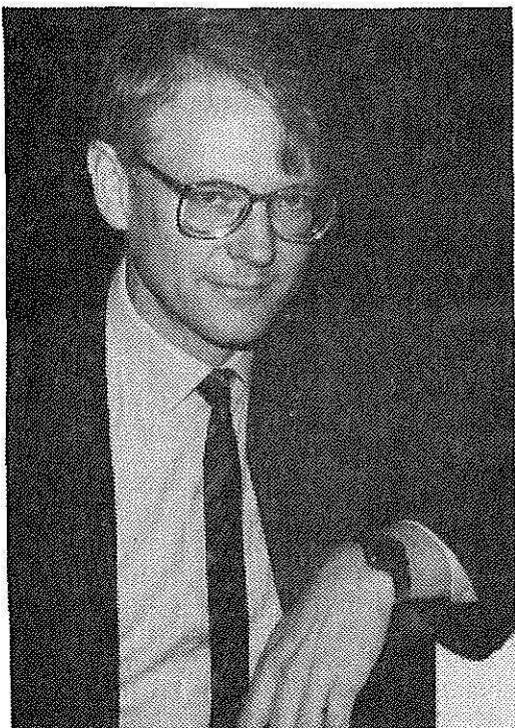
Funding for the Centre's activity is an area of serious concern, the Director explains. This year the Centre's non-renewable grant from the Vari Foundation -- \$30,000 over three years -- will run its course. "Even with this funding, the Centre's been on a subsistence kind of budget," Atkinson explains, "Now we need to search actively for new external sources of support."

So this fall Atkinson is meeting with the UW Development Office, and he and the Centre's Advisory Board are developing proposals for fundable projects.

In addition, moral support from the University remains highly prized by the Centre. Support from the UW Vice-President and Provost continues to be important, as do "substantially positive reactions from the Deans," says the Director.

"Any unit in the university needs a champion," Atkinson says. "We received excellent encouragement and support in the early years and there's no reason to believe that it has significantly changed." This support is crucial because it "sends signals" throughout the organization about what the university sees as valuable.

The new Director has degrees from the University of Toronto -- BA 1953, MA 1954, PhD (analytical chemistry) 1960. He's been with UW since 1961 and has served on UW's Board of Governors and Senate. Outside UW he's served on the Kitchener Public Library Board and



THOMAS B. JOHANNSON, a noted energy expert and member of Sweden's state power board, visited UW in late September. He was the guest of CSTV, Environment and Resource Studies, Management Sciences, and Systems Design Engineering.

A crowd of about 80 faculty and students attended Johannson's afternoon public lecture, "Green electricity: developing environmentally benign power

GREEN electricity

systems -- the Swedish example."

The Swedish visitor was on the board of the Swedish nuclear power inspectorate for many years and is now on the Swedish cabinet's energy advisory council. In a recent book he and two co-authors analyzed scenarios indicating Sweden could eliminate nuclear power in 20 years without increasing carbon dioxide emissions or hydroelectric capacity.

(Cont'd. from p. 5)

is especially proud of his role in getting the library's Pioneer Park branch started.

Atkinson is retaining his teaching activity in chemistry this year while wearing the two Director's hats. In the Winter 1990 term he'll also be the Chemistry Department's undergraduate advisor.

Amidst all these roles and activities, the Director plans to press forward in seeking "a substantial long-term endowment" that could be used to cover regular STV faculty positions. If he's successful, "the Centre will have much less trouble persuading other sources of support."

NEW FACES ON TEACHING TEAM

There'll be three new part-time members of the STV teaching team in the Winter 1990 term. They'll be joining STV veteran instructor TIM TOPPER, who's coming back onto the staff after a term off.

Here's the line-up:

DAVID HURON (PhD Nottingham) will serve as the STV Option Coordinator from January 1990 to June 1991. He's with the music department at Conrad Grebel College and will be seconded to CSTV for an eighteen month period.

DARYL PULLMAN, a PhD candidate in philosophy at UW, will be co-teaching the STV 100 (introductory) course with Tim Topper. Pullman worked with UW philosophy professor Dr. Michael McDonald on research leading to the recent publication of Towards a Canadian Research Strategy for Applied Ethics. Pullman and Topper will have input from the new Option Coordinator in their course.

JOHN BRINE (PhD OISE), who has a post-doc at UW this year in the philosophy department, will handle STV 200, the group projects course. Brine has spent time in Japan and has conducted research on computers in education.

Pugwash

UW's student Pugwash chapter has regrouped this fall, thanks largely to the hard work of former STV-student ANDREA ZYPCHEN. She and her executive are producing news columns for Imprint and for the Iron Warrior (UW's student engineering paper) and have arranged a program of events as well.

Scheduled for November are two major events: a debate, presented with the Canadian Aeronautical Space Institute, on the merits of investing in space research and development; and a discussion, co-sponsored with the Federation of students women's issues board, on reproductive technologies.

For more information, or to suggest ideas for future events, contact Zypchen by phone at 747-1808 or by campus mail to Pugwash, c/o UW Federation of Students, Campus Centre.

ERS CELEBRATES TWENTIETH ANNIVERSARY

UW's ERS (Environment and Resource Studies) department is celebrating its 20th anniversary this fall. As part of the occasion, the department is running a Monday symposium series called "Environmentalism and sustainability: strategies for the 1990s."

Forthcoming sessions focus on integration of the environment and the economy (13 Nov.) and environment, development and peace (27 Nov.). Events will be held in Engineering lecture hall 1, room 3522, from 2 to 4:30 p.m. For details, call ERS at UW ext. 3621.

1990 WIEGAND AWARD DEADLINE APPROACHING FAST

TUESDAY, 31 OCTOBER is the deadline for nominations for the 1990 Wiegand Award for Canadian Excellence. The Award carries a cash value of \$2500 and recognizes "Canadians (or permanent residents of Canada) who have made an outstanding contribution to our understanding of the human dimensions of science and technology, or to making technology more human."

The first recipient of the Award, which was launched just this year, was U of T scientist-humanist Dr. Ursula Franklin. Nominees may come from many walks of life -- business, education, the arts, government, and so on.

The Award is administered by CSTV for the Wiegand Foundation. The 1990 Award committee consists of Dr. Jeffrey Wiegand of the Wiegand Foundation and CSTV Advisory Board members ROBIN COHEN (Computer Science), ED JERNIGAN (Systems Design Engineering), and SALLY LERNER (Environment and Resource Studies).

For a nomination form and other information, call the Centre at UW ext. 6215.

STV OFFICE PERSONNEL

DIANA TUTTLEMAN has taken over for KATHY SHARPE during Kathy's maternity leave. Diana's assistance and unfailing good humour are much appreciated. Kathy worked in the Centre office almost literally to the last moment, causing some concern to a certain obstetrically underprepared co-worker. The baby girl's name is Lauren, born 25 July. Kathy will return in late November.

ON MY MIND

As the new Director of the Centre, I must say a few words about my predecessor, Russel Legge.

Russel and I taught together in STV 100, and he lectured in a Liberal Science course I organized. I hope the students learned as much from his carefully prepared but informally delivered lectures as I did. He has the art of concealing formality without implying there is nothing much to think about or to work on.

Russel brought to CSTV a courteous calmness of approach which is built on a solid foundation of personal strength and loving concern for those with whom he works. He is open and understanding in discussion, but is seldom diverted very long from his objective.

Although I knew when I went on leave in 1988 that Russel intended to step down this year, I had never for a moment thought I would be invited to be his successor. The electronic mail message asking about my willingness to consider the position came as a complete surprise.

I particularly regret that concerns about Russel's health have intervened. I greatly value being able to draw upon his wisdom and the experience he gained during his directorship.

All of us associated with CSTV wish him well, and hope to continue to enjoy his advice and encouragement as we move forward.

George Ashworth

THAT OLD STV GANG OF OURS

Higgs at Oberlin College this Year

ERIC HIGGS, STV Option Coordinator in 1987-88 and veteran STV course instructor, is teaching environmental studies at Oberlin College this year. But he'll be back in Canada next year, working with others on establishing an STS (Science, technology and society) program at the University of Alberta.

Higgs' current address: Environmental Studies Program, Rice Hall 16, Oberlin College, Oberlin, Ohio 44074-1095.

Word from the West

GED McLEAN, another seasoned STV instructor, reports from the University of Victoria (see Newsletter 14) that he's already busy enough to start wondering if he'll ever get back to his own research.

"Still, UVic is so new that there's lots of really fun stuff to do, and I'm eager to get at it," he says. "For instance, undergraduate courses on engineering design, society and engineering, etc., are seeming to fall in my lap. With luck, there will be a large STV component in these courses."

McLean's electronic mail address: gmclean@sirius.uvic.ca.

NEWSLETTER PRODUCTION

- * Steve Jones
- * Diana Tuttleman
- * Photos by UW Central Photographic