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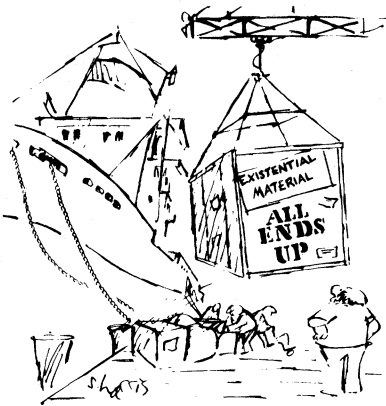
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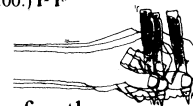
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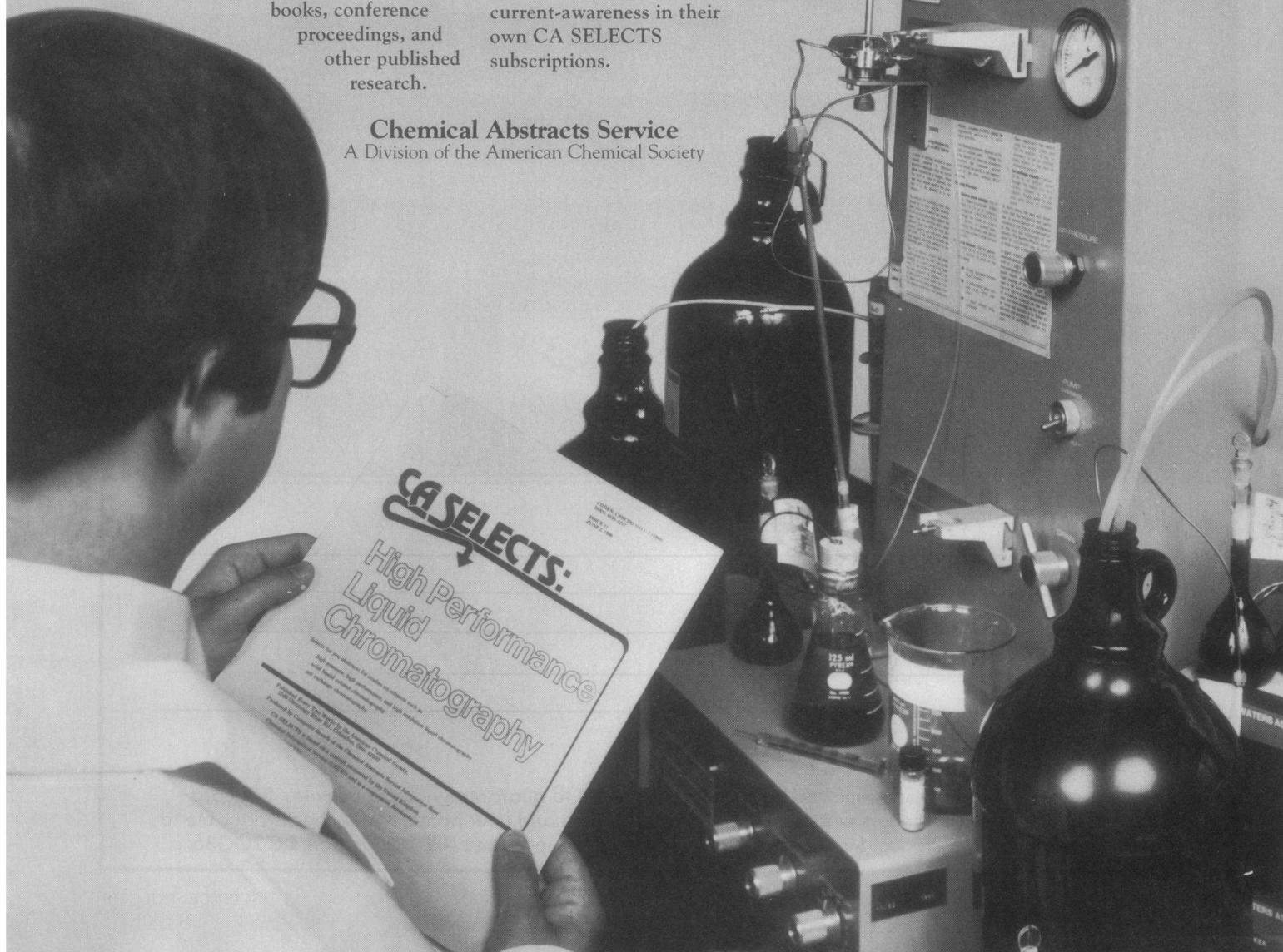
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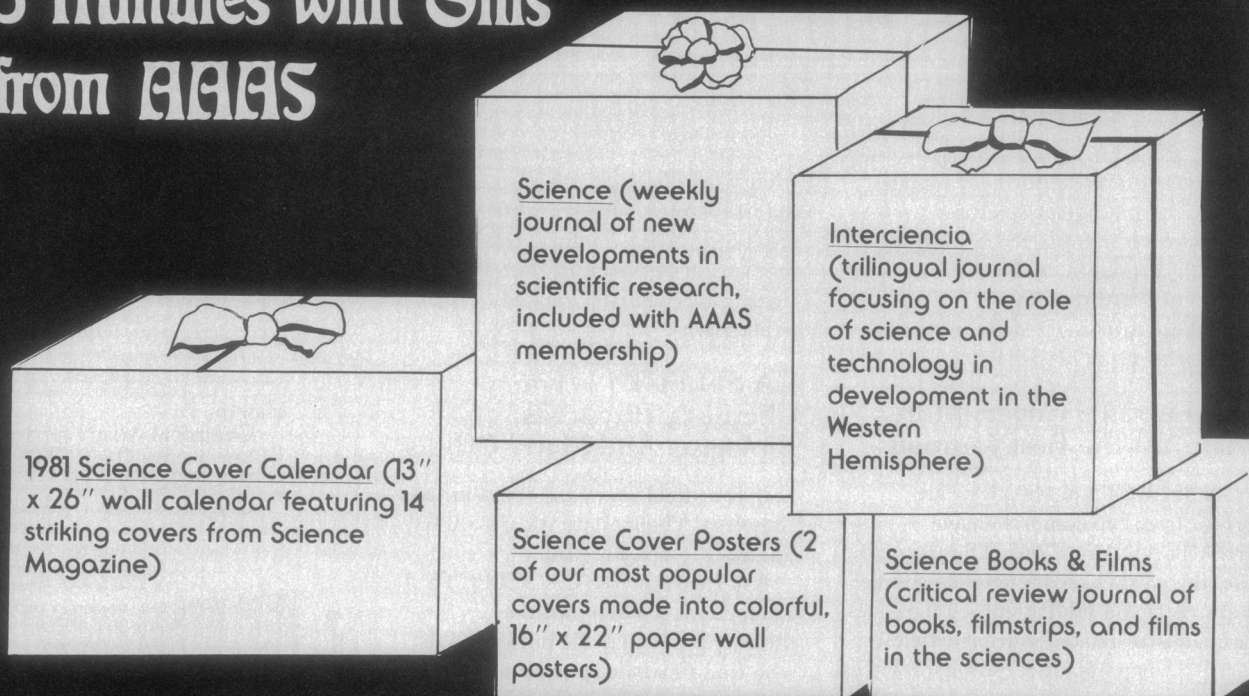
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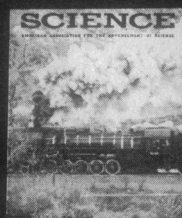
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A Way to Stimulate Technological Innovation

Of the many economic problems facing the United States today, one of the most frustrating has been the nation's growing inability to increase productivity through technological innovation. This failure has reduced our ability to compete with other nations in the world marketplace and has contributed significantly to inflation as productivity has lagged behind wages.

American scientists should be concerned for two reasons. First, declining productivity affects the nation as a whole through high inflation and an unfavorable balance of trade. Second, it directly affects the community of American scientists as research programs are cut back or moved abroad and scientific job opportunities disappear.

A major cause of the decline in productivity in the United States has been federal policies and regulations that discourage investment in research and development. According to the National Science Foundation, investment in R & D—in constant dollars—increased only 4 percent in the United States in the decade 1968 to 1978. This level was far surpassed in many other countries, notably Japan and West Germany, where governments provide incentives for private industry to invest in R & D. In addition, technological innovation at present is burdened by an unfavorable, if not hostile, regulatory climate.

In a message announcing his industrial innovation initiatives late last year, President Carter acknowledged that government has placed "stifling restraints" on innovation. He expressed the need for government to form a "close partnership" with the private sector to restore the innovative nature of the American free enterprise system as one of the "most precious resources of our country." One element in this restoration should be modification of existing tax regulations that discourage R & D.

An example of such a discouraging action was the decision of the Treasury Department in 1977 to substantially revise the regulations under section 861 of the Internal Revenue Code. Before that, the regulations under section 861 had been virtually unchanged for more than 50 years. As modified by Treasury, the regulations require companies with foreign sales to treat U.S. R & D expenditures in an artificial manner that exposes these companies to higher U.S. taxes. The regulations require U.S. corporations with foreign sales to allocate part of their U.S. R & D expenditures to foreign income. The effect is to decrease the company's taxable foreign-source income, as computed for U.S. tax purposes, and increase its taxable U.S.-source income. Therefore the foreign tax credits available to U.S. firms to help offset U.S. taxes on foreign income are reduced. In effect, the U.S. corporations are exposed to double taxation, since the taxes of foreign governments on the companies' earnings from abroad cannot be adequately credited against U.S. taxes on the same earnings. This tax treatment not only discourages U.S. investment in R & D, but may provide U.S. companies with an incentive to locate their R & D activities abroad.

Section 861, as originally enacted in 1921, was designed to prevent foreign corporations and individuals from deducting unrelated foreign expenses in calculating their taxes on U.S. income. Ironically, more than a half-century later, the Treasury Department has interpreted this law in a manner that penalizes U.S. companies that conduct business abroad.

Administrative modification of the section 861 regulations as they relate to allocation of R & D expenses could remove this disincentive and stimulate R & D investment in the United States. It would help restore the United States to a preeminent position in technological innovation. Science and technology are our nation's fundamental resources. Government's role should be to nurture these resources, not to suppress them.—ROBERT F. DEE, *Chairman of the Board and Chief Executive Officer, SmithKline Corporation, 1500 Spring Garden Street, Philadelphia, Pennsylvania 19101*

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- Full Program and Abstract Volume can be picked up at *Advance Registrants' Desks* at the Sheraton Centre or the Royal York.
- **Registrations received after 12 December will be held at the AAAS Information Booth at the Sheraton Centre.**
- **Refund** requests for registration fees must be made by letter or telegram prior to 26 December 1980 and will be honored after the Annual Meeting. **No refunds are made on cancellation notices received after this date.**
- Special one-day attendance registration will be available at on-site Registration Desks only.

Registration Category	Regular				Student† or Retired			
	Single		Double		Single		Double	
<input type="checkbox"/> AAAS Member	\$US	\$CAN	\$US	\$CAN	\$US	\$CAN	\$US	\$CAN
<input type="checkbox"/> Non-Member:	<input type="checkbox"/> 30	<input type="checkbox"/> 35	<input type="checkbox"/> 45	<input type="checkbox"/> 52	<input type="checkbox"/> 15	<input type="checkbox"/> 17	<input type="checkbox"/> 23	<input type="checkbox"/> 26
<input type="checkbox"/> Meeting registration only	<input type="checkbox"/> 38	<input type="checkbox"/> 44	<input type="checkbox"/> 53	<input type="checkbox"/> 61	<input type="checkbox"/> 19	<input type="checkbox"/> 22	<input type="checkbox"/> 27	<input type="checkbox"/> 31
<input type="checkbox"/> Register and join: Single membership*	<input type="checkbox"/> 68	<input type="checkbox"/> 95#	<input type="checkbox"/> 83	<input type="checkbox"/> 112#	<input type="checkbox"/> 42	<input type="checkbox"/> 64#	<input type="checkbox"/> 50	<input type="checkbox"/> 73#
<input type="checkbox"/> Registration and join: Double membership**			<input type="checkbox"/> 95	<input type="checkbox"/> 125#			<input type="checkbox"/> 62	<input type="checkbox"/> 86#

†Fulltime undergraduate or graduate students only.

*Specify name of new member _____

**Registrant and spouse double membership includes single subscription to *Science* (51 issues per year).

#Canadian dollar rates are for Canadian membership, including additional postage.

NOTE: 1980 Membership Dues: Regular Member \$US 38; \$CAN 60#. Student or Emeritus, \$US 27; \$CAN 47#. Spouse or Emeritus without *Science*, \$US 12; \$CAN 13#. For other countries, please inquire.

Mail to: American Association for the Advancement of Science, Dept. R,
1515 Massachusetts Ave., NW, Washington, D.C. 20005

SURVEY OF ATTENDANTS

Annual Meeting, Toronto, 3-8 January 1981

Your answers to the following questions will help us to plan future Annual Meetings. Please complete the form and either return it with your registration form or send in separately (to the same address) if you wish to respond anonymously (the two forms will be processed separately).

Principal Professional Interest	Principal Professional Activity	Institutional Affiliation Type
11 <input type="checkbox"/> Physical, mathematical	21 <input type="checkbox"/> Teaching, education	31 <input type="checkbox"/> University, 4-year college
12 <input type="checkbox"/> Biological, medical	22 <input type="checkbox"/> Health practice	32 <input type="checkbox"/> Other educational
13 <input type="checkbox"/> Engineering	23 <input type="checkbox"/> Other practice, consulting	33 <input type="checkbox"/> Industrial, commercial
14 <input type="checkbox"/> Social, behavioral	24 <input type="checkbox"/> Research, development	34 <input type="checkbox"/> Other Private
15 <input type="checkbox"/> Science policy	25 <input type="checkbox"/> Administration	35 <input type="checkbox"/> Government
16 <input type="checkbox"/> (other)	26 <input type="checkbox"/> (other)	36 <input type="checkbox"/> (other)
Highest Educational Level	Age	Number of Past AAAS Meetings Attended
41 <input type="checkbox"/> Doctoral Degree	51 <input type="checkbox"/> Under 26 years	61 <input type="checkbox"/> None
42 <input type="checkbox"/> Master's Degree	52 <input type="checkbox"/> 26 to 35 years	62 <input type="checkbox"/> One
43 <input type="checkbox"/> Other professional	53 <input type="checkbox"/> 36 to 45 years	63 <input type="checkbox"/> Two
44 <input type="checkbox"/> Bachelor's Degree	54 <input type="checkbox"/> 46 to 55 years	64 <input type="checkbox"/> Three
45 <input type="checkbox"/> (other)	55 <input type="checkbox"/> 56 to 65 years	65 <input type="checkbox"/> Four
	56 <input type="checkbox"/> Over 65 years	66 <input type="checkbox"/> Five or more
		Distance Traveled to Meeting
		71 <input type="checkbox"/> Under 51 miles
		72 <input type="checkbox"/> 51 to 150 miles
		73 <input type="checkbox"/> 151 to 400 miles
		74 <input type="checkbox"/> 401 to 1000 miles
		75 <input type="checkbox"/> 1001 to 3000 miles
		76 <input type="checkbox"/> Over 3000 miles

HOTEL RESERVATIONS

Annual Meeting
Toronto
3-8 January 1981



Conference Air Services (CAS) has been selected as the official travel coordinator for the AAAS Annual Meeting in Toronto. CAS will handle all housing and travel arrangements. Please take note of the housing information below and the travel information on the back of this page.

- All housing reservations must be submitted to CAS in writing (use housing form below).
- Reservations must be received by *Conference Air Services* **not later than 12 December 1980**; reservations received after that date are conditional upon space availability at the hotels.
- Rooms are assigned on a first come, first served basis. If room rate requested is no longer available, the next available higher rate will be assigned.
- Confirmation will come directly from *Conference Air Services (CAS)*. All changes and cancellations must be made in writing through CAS.

ROOM RATES IN CANADIAN DOLLARS*

Hotels	Single	Double & Twin	Parlor + 1 Bedrm.	Parlor + 2 Bedrms.	Parking (rates subject to change)
SHERATON CENTRE 123 Queen Street West (No. of rooms: 1000)	\$52 56 64	\$66 70 78	\$128 and up	\$192 and up	\$5.50 per 24 hours; no in-and-out privileges. Inquire for hourly rates.
ROYAL YORK HOTEL 100 Front Street West (No. of rooms: 800)	\$53 58 63	\$67 72 77	\$125 and up	\$203 and up	\$5.25 per 24 hours with in-and-out privileges.
HOTEL TORONTO 145 Richmond Street West (No. of rooms: 100)	\$58	\$68	\$150 and up	\$210 and up	\$5.00 per 24 hours with in-and-out privileges.

*\$ (Can) 1.00 = \$ (US) 0.86, with slight daily fluctuations; there is no room tax.

Charges for roll-away beds: Sheraton Centre and Hotel Toronto, \$15; Royal York Hotel, \$12.

Children are accommodated free of charge in same room with parents; age limits are as follows: Royal York, 14 and under; Sheraton Centre and Hotel Toronto, 18 and under.

Please type or print!

AAAS HOUSING FORM

Please type or print!

SEND CONFIRMATION TO:

Name _____ Street _____

City _____ State _____ Zip _____ Phone No. _____

OTHER OCCUPANTS OF ROOM:

Name _____ Name _____

Name _____ Name _____

CHOICE OF HOTEL: First _____ Second _____ Third _____

ROOM: ☐ Single ☐ Double ☐ Twin SUITE: ☐ 1 Bedroom ☐ 2 Bedrooms PREFERRED RATE: \$ _____

PLEASE INDICATE SPECIAL HOUSING NEEDS DUE TO A HANDICAP:

Wheelchair accessible room ☐ Other: _____

ARRIVAL DATE: _____ TIME: _____ ☐ a.m. ☐ p.m.

DEPARTURE DATE: _____ TIME: _____ ☐ a.m. ☐ p.m.

Be sure to list definite arrival and departure date and time. Hotel reservations will be held only until 6 p.m. unless otherwise specified.

Mail to: AAAS Housing Bureau
c/o CONFERENCE AIR SERVICES
1911 N Ft. Myer Drive
Arlington, Virginia 22209



Annual Meeting

Toronto

3-8 January 1981

AIR TRAVEL RESERVATIONS

Because of the constant increase in air fares, the AAAS is attempting to provide the attendants of its 1981 Annual Meeting in Toronto with the lowest air fares available. Thus, the Association has selected *Conference Air Services (CAS)* as the official travel coordinator for the Toronto Meeting. CAS will endeavor to arrange groups from among those traveling to Toronto from other cities on the same day, thereby offering these travelers group fare savings. CAS guarantees booking of airline space at the best rates available, consistent with travelers' requirements, using group and super saver fares whenever possible.

Please take note of the travel information below and the housing information on the preceding page. We urge you to purchase your tickets through CAS, and to do so early, since air fares are increasing constantly. Volume ticket purchases will enable CAS to form groups at key departure points, thus providing the lowest air fares possible.

SAMPLE ROUNDTRIP AIR FARES TO TORONTO*

City	Coach Fare	Special Group Fare	City	Coach Fare	Special Group Fare
Atlanta	\$299.00	\$221.00	Los Angeles	\$531.00	\$348.00
Boston	180.00	126.00	Miami	349.00	299.00
Chicago	174.00	121.00	New York	160.00	112.00
Cleveland	116.00	98.00	New Orleans	355.00	251.00
Dallas	349.00	255.00	St. Louis	241.00	168.00
Denver	345.00	243.00	San Francisco	547.00	387.00
Detroit	121.00	96.00	Seattle	517.00	358.00
Houston	387.00	274.00	Washington, D.C.	180.00	143.00

*Note: These fares were in effect in July 1980 and are most definitely subject to change. Only sample cities have been listed above. Please call CAS for applicable airfares and possible group departure schedules from your home area. Persons for whom group flights cannot be arranged will be booked on the best air fare available.

For assistance with travel reservations call toll-free

800-336-0227

9:00 a.m. to 6:00 p.m.—Monday through Friday

(In Virginia call collect 703/528-0114)

If you are interested in a post convention skiing weekend or vacation in the Laurentian Mountains or at Blue Mountain, Ontario call CAS at the above toll-free number.

Please type or print!

AAAS AIR TRAVEL RESERVATION FORM

Please type or print!

SEND TICKET(S) TO:

Name _____ Street _____

City _____ State _____ Zip Code _____ Phone No. _____

ADDITIONAL PASSENGERS:

Name _____ Name _____

Please make the following flight reservations to Toronto:

Departing from _____ on _____
(Airport) (Date)

Returning from Toronto on _____, based on: ☐ 1st Class ☐ Coach ☐ Group Fare*
(Date)

I prefer the following specific flights, times, stopovers: _____

I will pay for my airfare by: ☐ Check based on invoice from CAS ☐ Credit Card**

Name of Card _____ Number _____ Expiration Date _____

Authorization (Signature of Cardholder): _____

*Persons for whom group flights cannot be arranged will be booked on the best air fare available.

**Persons providing credit card information will be fare-protected at the time of booking.

Mail to: AAAS Travel Bureau
c/o CONFERENCE AIR SERVICES
1911 N Ft. Myer Drive
Arlington, Virginia 22209