



Environmental Change and Farm-level Response: Research Planned

by Tom Johnston, University of Lethbridge

In the fall of 1993 a two-year study will be launched which will attempt to identify the key sensitivities and response functions of agriculture to climate at the individual farm level. This work represents the agriculture sustainability component of the Nat Christie Climate Change and Agriculture Research Program at the University of Lethbridge. The research team, comprising Quentin Chiotti and Tom Johnston (Geography, University of Lethbridge), Barry Smit (Geography, University of Guelph), and Bernd Ebel (Economics, University of Lethbridge), will seek to learn, from the actual experience of farm operators, the ways in which agricultural practices, investment decisions and the like are influenced by variation in climatic conditions.

Specifically the research will attempt to determine: (1) how climate interacts with other factors known to affect agriculture; (2) what the specific climatic variables are to which farms are especially sensitive; (3) whether or not there are thresholds beyond which climatic factors become more or less important; and (4) if any synergistic effects exist, such that the affects of certain climatic events are modified when they occur in association with other events.

Most of the research on climate change and agriculture conducted to date has adopted the "scenario approach". Typically, a set of future climates is postulated (usually from General Circulation Models, superimposed on data pertaining to the study area), and the effects on crop yields are estimated. Sometimes these results are fed into other models for estimating the implications for farms and/or regional economies. This approach has provided many valuable insights, but its usefulness is limited by some of the assumptions on which the analyses are based, as well as the

many unanswered questions that surround the relationship between climate and agriculture.

By contrast, the type of "sensitivity analysis" envisioned in this research does not make any assumptions about either future climatic conditions or about the motivations that drive farmers' decisions. Instead, it directly investigates the attributes of climate to which farm operators adjust (both short-term and strategically), the adaptation strategies employed, and other factors which condition responses to climate (e.g., public policy, investment inertia, etc.).

The work will be built around the premise that farm-level decisions are influenced by a range of factors, and that some of these factors are bio-physical in nature while others have cultural origins. Furthermore, it will acknowledge that these influencing factors exist both internal and external to the farm, and that one important set of external factors are climate related. The model will also assume that individual farm level responses to external stimuli are conditioned by a whole host of internal factors, relating to attributes of the farm firm, the farm operator(s), and the farm household.

Whether we are concerned with implementing policy to limit greenhouse gas emissions or with identifying ways that agriculture can adapt to changes in climate, answers to the types of questions being posed are needed before reasonable conclusions can be drawn. Irrespective of which policy approach is preferred, it is clear that we need to better comprehend the dynamics of farming systems in general, as well as the specific role that climate plays in agricultural change. There is a clear gap in the climate change literature in this regard.

Western CAG Annual Meeting
University College of the Cariboo, Kamloops, March 11-12

President's Report: WCAG Annual Meeting

"Your Name".

by Robert MacKinnon

The annual meeting of the WCAG was held at Capilano College, North Vancouver, on March 19, 1993. Seventeen papers were presented by graduate students and faculty from across British Columbia and Alberta, a panel discussion was held on "Globalization and Change in Asia" and a computer cartography demonstration was presented by John Hodgson (University of Alberta). A highlight of the meeting was the thoughtful and entertaining banquet address by Hugh Brody.

At the business meeting, members were informed about the CAG budget situation and a proposal to replace *The Operational Geographer* with a national newsletter. Concerns were raised about the disappearance of the journal as many in the Western Division consider it to be a very useful reference tool for instructional and research purposes. (*Unfortunately the journal was terminated at the Annual General Meeting held at Carleton on June 2nd.*)

The editor of *Western Geography*, Michael Edgell (Victoria), reported that this publication is now a serial. He intends to encourage a wider range of submissions and move away from including only the publication of selected papers presented at the WCAG Annual Meeting. The WCAG agreed to support the printing costs for Vol. 3 of *Western Geography* and to explore means of improving the division's financial situation so that support for *Western Geography* will continue.

Margaret North (UBC) reports that progress has been made in lobbying the BC Ministry of Education about the position of Geography in the Education 2000 programme. The proposed course, entitled "Social Investigations", may revert back to "Social Studies", partly as a result of concerns raised by Margaret North and other interested geographers about the proposed disappearance of geography from the revised curriculum. The March, 1994 WCAG meeting will be held at The University College of the Cariboo in Kamloops, B.C. All Executive positions were filled by acclamation and are listed at the end of the newsletter.

Two New E-Mail Lists

The University of Kentucky has established two new E-Mail lists that are as close as your modem. Stan Brunn has set up "GEOGED" as a worldwide network of geographers interested in teaching research and pedagogical development in geography. "GEOGFEM" has been established by graduate students and faculty at the University of Kentucky and is geared to people interested in feminist geography and issues of gender and space. Both lists are available through "LISTSERV@UKCC.UKY.EDU".

The easy way to subscribe is to address a message as above, leave the subject line blank, and type: "SUBSCRIBE GEOGED

Alberta Field Geomorphology Group Plans Exciting Fluvial Trip

The Alberta Field Geomorphology Group (AFGG) is planning its fourth annual Fall Field Trip.

When: Friday, September 24th 8:00 P.M. to Sunday, September 26th 3:00 P.M.

What: Anastomosed river systems

Where: Columbia River, near Golden, B.C.

Tentative agenda:

- Friday, September 24th, 8:00-9:30 P.M. in Golden. Slide show providing an overview of the anastomosed fluvial morphology and sedimentology of the Columbia River, Spillimacheen to Golden.
- Saturday, September 25th. Take own vehicles to river site, transfer to four zodiac motor boats for field trips at various sites.
- Saturday evening. Western style barbecue, burgers and salad at a modest \$3.00.
- Sunday, September 26th. Take own vehicles to river site, further river field trips.

Leader: Derald Smith and graduate students from University of Calgary. For further information: call Derald Smith, (403) 220-6191 or fax: (403) 282-6561

The Newsletter of the Western Division, Canadian Association of Geographers is currently edited and printed at the University of Lethbridge.

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Contributions are welcome. **The submission deadline for the Winter issue is January 15.**

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1991 Census Atlases to be Published for Prairie Metropolitan Areas

In the last *WCAG Newsletter* we reported that Statistics Canada was axing the entire Metropolitan Atlas Series as a direct result of federal government spending cuts. In an innovative initiative, the Prairie and Northwest Territories Regional office of Statistics Canada has recently decided to publish its own atlas series for four prairie metropolitan areas (Winnipeg, Regina, Calgary and Edmonton) based on the 1991 Census. This initiative is doubly unique in that the selection of variables and spatial units will be demand driven. Each metropolitan atlas will map different variables depending on local requirements. The Winnipeg and Regina atlases will use the familiar census tracts while the Calgary and Edmonton Census Metropolitan Areas will be mapped according to the neighbourhood units used in local planning departments. Look for publication late in the Fall of 1993 at a cost of less than \$100 for each atlas.

Athabasca University: Distance Education is Thriving

Athabasca University is an open distance learning university that services more than 12,000 students across Canada. As an open university it is "dedicated to the removal of barriers that traditionally restrict access to and success in University-level studies and to increasing equality of educational opportunity for all adult Canadians regardless of their geographical location and prior academic credentials. Athabasca University is committed to excellence in teaching, research and scholarship, and to being of service to the general public".

The student body is unique: 68 percent are women, 72 percent are over age twenty-five and 94 percent live in Western Canada. Teaching is carried out mainly by written packaged course materials with telephone tutorial support. However, an increasing number of courses are experimenting with interactive electronic communication systems that allow communication among instructors and students in real-time. Course packages are generally quite comprehensive and their production is managed by full-time faculty within given disciplines, with the assistance of staff editors and instructional designers.

At the moment three geography courses are offered at Athabasca with three geography program tutors who service 150 students. Canadian Urban Geography and Urban Change and Conflict have an urban focus; the other course is the Geography of the Canadian North. (*See the University and College News section for more on recent developments at Athabasca.*)

Alberta Wetlands Policy

The Alberta Water Resources Commission has recently released an Interim Policy entitled: "Wetland Management in the Settled Area of Alberta". This policy statement addresses the issue of wetland loss and gives coordinated direction for the various provincial government departments that are responsible for wetland resources. In addition, a Draft Policy for peatlands and non-settled area wetlands entitled: "Beyond Prairie Potholes" and an accompanying background report have also been issued as a basis for discussion and public meetings. This is great material for teaching about the planning process and for applied aspects of hydrology and water resource management and makes fascinating reading. Copies are available from the Alberta Water Resources Commission, 910 Harley Court, 10045 - 111 Street, Edmonton, Alberta T5K 2M5.

Victoria Honours Derrick Sewell With New Collection: This is not just another *festschrift*!

Advances in Resource Management: Tributes to W.R. Derrick Sewell was published in the Spring of 1993. Edited by Harold D. Foster, it contains contributions from seventeen of Derrick's colleagues in Canada, Britain and Australia. It is more than a *festschrift* since it includes many important theoretical and research contributions to the field of resource management. While several papers discuss water resources, forests, recreation and landscape issues are also reviewed, as well as various innovative research methods and policy initiatives. Royalties from the sale of this book are to be paid into the W.R. Derrick Sewell Scholarship Fund, which provides financial support to graduate students at the University of Victoria who are studying resource management issues.

Integrated Resource Planning in Alberta

Alberta's Integrated Resource Planning (IRP) program is one of the most comprehensive systems of land resource planning anywhere in Canada. In place since 1976, the program provides a consultative mechanism for the comprehensive planning and multiple use (agriculture, recreation, grazing, preservation, timber, etc.) of Alberta's Crown Lands. An excellent overview of the IRP in Alberta and a newsletter entitled "*Planning in Progress*" is available at no charge from the Resource Planning Branch, Alberta, Lands, Forests and Wildlife, Edmonton, T5K 2J5.

College and University News

University of Athabasca

Athabasca's geography program had been under development by Dr. Ian Taylor until 1991 when he left to take a cartographic position with the federal government in Ottawa. He was replaced in 1992 by Dr. Gerald Thomas who is assistant professor of Geography and Environmental Studies, and coordinator of the geography program.

Dr. Thomas holds a B.A. in geography and Masters of Environmental Design (in Urban and Regional Planning) from the University of Calgary, and recently completed a Ph.D. from the University of Kentucky. Gerry's dissertation is entitled "The Caribbean Urban Spectacle: Race, Class and Representation in the Social Production of Space." His areas of teaching interest include urban studies, development, economic geography and issues of race, culture and space in social theory.

Currently, Gerry is focused on developing a Geography major in the B.A program. He has recently submitted a proposal for such a major to the Faculty of Arts Council which was approved and included in the three year plan. This major should be available at latest by 1999, and at the earliest by 1997. The new geography major will be a co-operative one within the faculty of science including courses in physical geography and geology, although the main focus of the major will be human geography with a regional, urban and critical theory emphasis. This new major will also complement the coming major in Environmental Studies which has also been included in the Faculty of Arts growth plan, even though these major will be independent.

As part of developing the geography program Dr. Thomas is writing a new introductory course entitled "Peoples in the Global Environment" (which will be available in 1994). He is also working with Dr. Bob Bone of the University of Saskatchewan to update and re-write the Geography of the Canadian North course.

Questions regarding geography courses, and the coming major in Geography may be directed to: Dr. Gerald A. Thomas, Box 10,000, Athabasca, Alberta, T0G 2R0. Telephone: (403) 675-6268 or E-Mail: GERALDT@CS.ATHABASCAU.CA

University of Alberta

Dr. E.P. Lozowski has been appointed Director of the Institute of Geophysics, Meteorology and Space Physics for three years (1993-1996).

Dr. L.A. Kosinski has just completed a double term as Secretary-General and Treasurer of the IGU (for 1984-1992)

Ian Campbell organized the Third International Conference on Geomorphology: Alberta Field Trip, August 16 -22, 1993. The field trip provided the participants with a detailed overview of the geomorphology of central and southern Alberta.

University of Calgary

Teaching and research in GIS and remote sensing have been boosted in the last year by the University's acquisition of a computer lab containing 12 Unix workstations connected to the U of C's mainframe IBM/6000 mainframe cluster. This purchase by the University's academic computing services (ACS) included geographic software including PCI's EASI/PACE for image processing and SPANS and ARC/INFO for GIS. This central facility has taken much pressure off the Geography Department's PC lab, which can now perform as a general computing facility for the department. A second lab, funded jointly by Computer Science, Geography and ACS, containing 25 Macintosh IIvx networked machines, but housed in the Geography's old cartography lab, is being used to teach introductory cartography and air photo analysis, using programs such as Freehand, Illustrator, Photoshop and a remote sensing package from Australia called 'Dimple'.

The University also promotes interdepartmental co-operation in remote sensing and GIS. The U of C's GIS group comprises several departments with an interest in GIS, as well as representatives from the Central Library and ACS, and has been formed to discuss and co-ordinate joint data and program acquisitions and potential teaching and research initiatives.

University College of the Cariboo

No new full-time ongoing faculty have been appointed in 1993 and budgetary approval for the position advertised in *University Affairs* did not materialize. Ross Nelson and Dr. Brian Preston have received sessional appointments for 1994/95. We are anticipating that the current part-time Lab Demonstrator position will soon be converted to a sessional position.

Enrolments in all geography offerings have been steady; an end of year count in April, 1993 tallied over 950 students in our 17 course offerings during the academic year. Courses are being added to expand the curriculum in Social Geography and Introduction to GIS.

Douglas College

Permanent, full-time staff include Elizabeth Peerless, Ian Joyce and Susan Smythe. Both Elizabeth Peerless and Ian Joyce were away from the college from September 1992 through August 1993 on combinations of educational leave and professional development. In their absence three temporary positions were filled by Earl Noah, Simon Dalby and Chris Gratham. Liz and Ian will return full-time in September '93, with Ian as convenor. Earl Noah will remain at Douglas in a part-time term capacity, while Simon Dalby moves to a tenure-track position at Carleton University.

Over the 1992/93 academic year Douglas College geographers taught a total of 33 courses to 1155 students; no changes are expected in the coming year. On top of a full slate of first-year university transfer courses, we now offer second-year climatology, economic geography, social geography and geomorphology. In addition, a second-year biogeography course is being developed.

Douglas College is now a three-campus institution. Thomas Haney Center, a joint high school/Douglas College facility in Maple Ridge officially opened in Fall 1992. Currently, three courses are offered by Geography each year to just over 100 students. The big news is that the long-awaited Coquitlam Campus, to be named the 'Pinetree Center' has been officially funded. This new 2000 FTE facility is expected to open in 1995/96.

Geography faculty continue to be involved in the Douglas College Institute of Urban Ecology. They also are contributing to an Interdisciplinary Studies course funded by the Ministry of the Environment, Lands and Parks. This course consists of a series of lectures by faculty followed by a public seminar/question period with an expert guest speaker from the community or the Ministry. In addition, geographers are members of an Environmental Studies Task Force created to develop a 200 FTE program in environmental studies at Douglas College.

University College of the Fraser Valley

Geography at UCFV continues to experience very high student demand for all courses in the program, including new offerings at the third and fourth year level. John Belec will add a course focused on suburbanization and suburban issues.

The Department recently hired its first full time geomorphologist, Sandy Vanderburgh, (Ph.D., SFU). Dr. Vanderburgh will share in offering lower division physical and environmental geography and will take on responsibility for the development of upper levels physical geography, including a new third-year geomorphology course.

The Department has produced its first program statement for the minor in Geography which emphasizes three streams: cultural/ historical, urban/suburban, and physical/environmental.

Both David Gibson and Doug Nicol are on leave this year.

Steven Marsh (M.Sc., Regina,) will teach a full load of physical and cartography for the year. Jim Bowers (physical - Chilliwack Campus) and Cherie Enns (social/economic - both campuses) will continue their sessional appointments with the Department.

The Department intends to offer another lecture series at the Abbotsford Campus this year on topics dealing with aspects of human impact on the valley environment. Investigations into a field site on the western shore of Harrison Lake and participation in the British Study Tour next July are planned as well.

Kwantlen College

September 1993 will see the opening of our new campus in Langley. We will be offering a full slate of first year physical and human geography courses, with an expected enrolment of approximately 350 students per year. The additional courses at the Langley campus should serve to ease the ever increasing demand for geography courses at our Surrey and Richmond campuses. To accommodate the continuing growth at Kwantlen, we have hired a full time physical geographer to increase our full time faculty numbers to five. Our newest faculty member, Dr. Allan Sawchuk, brings with him many years of experience from Scarborough College, University of Toronto and Wilfrid Laurier University. He will be based primarily at our Richmond campus. Jim Urquhart will be moving full time to our Langley campus and Kwawu Agbemenu and Leah Skretkovicz will be teaching at two campuses. Ray Cox will remain at the Surrey campus. We have also increased our faculty in human geography with the addition of Rod Fowler (SFU) as a three-quarter time appointment. Susan Taite continues in a half-time geology position. Other contract faculty include Steven Marsh and Earl Noah.

University of Lethbridge

The department bade farewell to three colleagues this Spring who were contributors to our archaeology curriculum. Dr. Michael Wilson (Adjunct Associate Professor of Archaeology) is now assistant curator at the Museum of the Rockies in Bozeman, Montana. Dr. Margaret Kennedy (Assistant Professor of Archaeology) has moved to the Department of Archaeology at the University of Saskatchewan.

Bruce MacKay, Ph.D. candidate in Religious Studies at the University of Toronto, has finished a two-year contract in the department. He was awarded a fellowship at the W.F. Albright Institute in Israel, and is currently excavating at Tel Migne-Ekron, Israel. All three will be missed, and are wished the best of luck at their new endeavors.

Neil Mirau, a Ph.D. candidate in archaeology at the University of Calgary, will be joining our department this fall. He will be instructing courses in both archeology and geography. Dr. Walter Aufrecht, an archaeologist specializing in the Ancient Near East, will be returning to the classroom this fall. For the past two years Dr. Aufrecht was conducting SSHRC-funded research leading to a definitive corpus of Phoenician inscriptions.

Dr. Quentin Chiotti, an agricultural geographer who was a SSHRC post-doctoral fellow at Carleton, will be joining the department this fall as a post-doctoral fellow. He will be working with Dr. Tom Johnston on the agriculture sustainability component of the Nat Christie Climate Change and Agriculture Research Program. (*See feature on page 1.*) Dr. Chiotti will also be teaching for the department as a sessional instructor. Dr. Dan Johnson, research scientist at the Lethbridge Agriculture Research Station, was appointed Adjunct Associate Professor of Geography this Spring. He is very active in the department, employing several students in his research. He will also be offering a course in biogeography this fall.

As a final note, one of our colleagues Dr. Marvin Sundstrom has been ill this summer, and has undergone surgery. Marvin has interests in agricultural geography, and is also Assistant Dean of the Faculty of Arts and Sciences. He is making a strong recovery, and we wish him well and a speedy return.

Medicine Hat College

Ben Moffat is about to return to the college from his sabbatical year at the University of Saskatchewan where he began a Ph. D. program last year. He will be working very hard to operate a one person geography department while preparing for his Ph.D. Comprehensives.

College of New Caledonia

The Geography Department continues to be very busy. Cliff Raphael is chairing a College-wide committee charged with establishing a post-diploma programme in GIS Technology. Jim Windsor is developing a new course (Introduction to Contemporary Environmental and Resource Issues) to be offered in the Spring of 1994. Mr. Windsor has also been asked to teach a course this Fall as an adjunct-professor at the new University of Northern British Columbia. In addition to his normal teaching duties, Alistair McVey is serving as Chair of the Science Division, and is one of three commissioners on the Kemano Completion Inquiry.

Enrolments at the College continue to increase dramatically, straining the College's resources. University transfer courses are now so over-subscribed that most students are finding they must now attend the College for three years in order to get all their required transfer credits.

Simon Fraser University

At this year's convocation 120 geography majors graduated. Among the top students were John MacDonald who received the CAG award and Kathy Fitzpatrick and Alfreda Wilson who were joint recipients of the Kim Fofonove Book Award.

In just over five years FTE geography enrolments have increased by about 50 percent. Full time enrolment for Fall 1993 is expected to be in excess of 500 students. At the graduate level, 16 new M.A. and Ph.D. students will join the

department this fall.

Two *festschriften* were produced to pay tribute to Professor Emeritii in the department. *Person, Place and Thing* was edited by Professor S.T. Wong (Louisiana State University Press) in honour of Phil Wagner. *British Columbia: Geographical Essays* was edited by Paul Koroscil in honour of the founding head of the department, Archie MacPherson.

Doug Deur is this year's recipient of the John Bradbury Award. The award is given in alternate years to an outstanding master's student in geography at McGill or Simon Fraser whose thesis topic is related to John Bradbury's research interest in the economic geography of Canadian resource towns and international development.

Roger Hayter and David Edgington (UBC) are recent recipients of a \$70,000 SSHRC award to study B.C. forest product exports to Japan. Cathy Nesmith is co-investigator of a \$58,600 SSHRC award to study "Gendered Responses to the Environmental Movement". S.T. Wong was the recipient of an Asia-Pacific award to attend an international seminar at the University of Brunei. Ian Hutchinson has received a President's Research Grant of \$7,780 for his research on "Late Holocene Tectonics and Sea Level Change, Northern Vancouver Island".

Beverley Pitman joined the Geography Department in January of this year. Her research area is in cultural and social geography, urban studies, regional development and planning. Greg Halseth (Ph.D, Queens) will be joining the department in the Fall as a Post-Doctoral Fellow.

University of Victoria

Advances in Resource Management: Tributes to W.R. Derrick Sewell was published in the Spring of 1993 by Belhaven Press, Covent Garden, London. (*See feature on page 3.*)

The Sixth International Symposium in Medical Geography will be held in Vancouver, July 12-16, 1994. It is being organized by Michael Hayes (Geography, SFU). Co-organisers are Susan Elliott (Geography, Victoria), and Isabel Dyck (School of Rehabilitation Medicine, UBC). The symposium will bring together medical geographers from Canada, the U.K., the U.S. and beyond.

Bernard Henin, M.A. student, is researching "Ethnicity, Culture, and Natural Resource Use: Forces of Change on Dai Society, Xishuangbanna, Southwest China." He has received a Canadian International Development Agency Scholarship of \$46,000 over 1993-1995.

Michael Mullins, M.A. student, researching "Forest Dweller Perspectives on Commercial Timber Harvesting, North Coast of Madang Province, Papua New Guinea" has received a \$7,000 John Bene Fellowship in Social Forestry, awarded by the International Development Research Centre for 1992-93.

A geography Master's student is one of three UVIC grads to have been awarded a B.C. Health Research Foundation

Studentship Grant for the upcoming academic year. Joan Gillie will be studying women's views of their health concerns in selected urban, peri-urban and rural communities in British Columbia with Dr. Susan Elliott (supervisor). The award consists of \$18,000 per year salary and \$3,000 for research and travel. The program is designed to attract applicants from outside the traditional health services mainstream and to encourage interdisciplinary research to further our understanding of the complexity of health issues in B.C..

University of Washington

We have a new faculty member coming this autumn: Katharyne Mitchell (Ph.D.,1993, Berkeley). Her dissertation was on contemporary urban transformation and cultural conflict in Vancouver resulting from a rapid influx of capital and wealthy immigrants from Hong Kong, focusing on the intersection of Vancouver's internationalization and increasing Pacific Rim ties, land control, urban form and the process of race construction. Her other interests include: international trade and capital flows; social theory, and cultural critique and the urban landscape. We also have had several visiting faculty: Ding-fu Zhang from China; Melinda Meade, from North Carolina; Yehuda Hayuth from Israel, and, beginning this September, Audrey Clarke from East Carolina University.

We have a record number of undergraduate majors-- 210. Strong interests in GIS, environmental issues and urban planning/land use. We produced 16 M.A.s and one Ph.D. dissertation this past year.

University of Washington faculty have successfully competed for a number of research grants. William Beyers, department chair, received: (1) a three-year \$225,000 grant from the National Science Foundation to study the development of producer services in the U.S. in recent years; (2) a Ford Foundation grant for research on rural-urban linkages in the Pacific Northwest; 3) a grant from the Corporate Council on the Arts to study the impact of the arts in the Seattle area; and (4) a grant from the Museum of Flight to study the economic impact of Boeing on the regional economy.

Kam Wing Chan has received a grant from the Fritz Endowments for a project on inter-provincial migration in China. He also received an NSF grant, with graduate student Tim Oakes, for a project on ethnic tourism in China.

David Hodge has received a \$160,000 grant from Washington State Department of Transportation to study alternative performance measures for public transportation.

Vicky Lawson has received a \$75,000 Ford Foundation Grant to offer graduate seminars in social science methods to produce more scholarly submissions from graduate students.

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Forthcoming Meetings

**Great Plains-Rocky Mountain Division, American Association of Geographers. Annual Meeting.
September 17-19, 1993. Boulder, Colorado.**

Abstracts are due by September 3, 1993. Contact Gary Gaile, University of Colorado, Boulder.

American Association of Geographers. Annual Meeting. March 29 - 2 April, 1994. San Francisco.

Abstract deadline will be September 20, 1993. For exhaustive details see the AAG May 1993 Newsletter.

**Canadian Association of Geographers. Annual Meeting. May 18 - 24, 1994.
Sir Wilfred Laurier University. Waterloo, Ontario.**

WCAG Annual Meeting

Call for Papers

The WCAG is planning an exciting Annual Meeting for March 11 and 12, 1994 (Friday and Saturday) at University College of the Cariboo in Kamloops. Those arriving on Thursday evening or Friday morning may attend one of the four Field Trips planned for Friday. Two will start in the morning and two immediately after lunch.

Field Trip Menu for Friday, March 11th:

- (1) Physical and Cultural Landscape of Knutsford and vicinity to the south of Kamloops.
- (2) Tour of the Highland Valley Copper Mine at Logan Lake, one of the largest Open Pit mines in North America.
- (3) Geomorphology of the Thompson Valley.
- (4) Historical Walking Tour of the old West End of Kamloops and the Downtown.

Saturday, March 12th will feature an unusually eclectic range of paper sessions. Your participation could help to make this a vital and very informative conference.

Friday night will include an opportunity to socialize and sample the Kamloopsian night life (maps will be provided) while the traditional banquet on Saturday night will introduce participants to the "Cuisine of the Cariboo."

Abstracts no longer than 200 words in length should be received by February 11, 1994.

Details for submission will appear in the January WCAG Newsletter. For further information, contact: Rob MacKinnon, President of the WCAG at University College of the Cariboo. Plan now to attend!