

guelph

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Creative teaching

"I am a tree in the middle of the ocean but still need water. What am I?"

- Cameroon riddle

This riddle from Cameroon (answer below) is one of many used in the schools of the West-African country where there is a firm dedication to creative teaching nurtured from nursery school to university.

The University of Guelph is currently in its second year of a five-year Canadian International Development Agency-sponsored co-operative project with the University of Yaounde, Cameroon, and the Cameroon Association for Creative Teaching to further educational research at the grass-roots level. The Cameroon university already has a well-established Department of African Literature which serves as a centre of creative writing and a clearing house for the collection of oral material from the rural areas. Graduate students, teachers at elementary and secondary schools and children are involved in this massive project to preserve the oral traditions of the country for future generations.

Professor Douglas Killam, Chairman of the Department of English Language and Literature at Guelph, and Professor Bernard Fonlon, chairman of the Department of African Literature at Yaounde, are the project's co-ordinators. Elizabeth Cockburn, in the Department of English here, is technical advisor to the project.

This year Mrs. Cockburn has made three trips to Cameroon where she met with members of the Association for Creative Teaching (ACT) and took part in an association-

sponsored seminar for 55 elementary, secondary and university teachers.

The Association is now circulating a thrice-yearly newsletter to help teachers develop creativity in their students.

The promotion of creative teaching received further Canadian support this summer when two Canadians sponsored by the Canadian Teachers' Federation travel to Cameroon to give two 12-day seminars on such topics as course evaluation, creative thinking, curriculum design, pupil assessment and the setting up and running of a simple library. Ted Monkhouse, educational media consultant with the Wellington County Board of Education was course co-ordinator. He was assisted by Joyce Davies, a teacher-librarian from British Columbia. They worked with Patrick Mbunwe-Samba, regional co-ordinator of the Guelph-Yaounde project.

Currently, Prof. Killam and Mrs. Cockburn are making an extensive tour of Cameroon, taking part in workshops on creative teaching being given around the country by the Association for Creative Teaching. Although Prof. Killam is largely concerned with the university aspect of the project, both Guelph participants share the view of Prof. Fonlon who says the primary, secondary schools and university ought to be regarded as one since they all deal with man, and each stage depends on the other.

The Guelph-Yaounde project is administered in Guelph through the Centre for International Programs. []

* Answer to riddle:
A boy among sisters but needing a wife.

Toxicology director chosen



Ian C. Munro has been appointed director of the Canadian Centre for Toxicology. The new Centre, sponsored jointly by governments, industry and the Universities of Toronto and Guelph, will provide a focus for research, teaching and testing services to meet the emerging needs of society in Canada in this field.

Dr. Munro, whose headquarters will be in Guelph, will begin work immediately on finalizing building plans for facilities to be built on the Toronto and Guelph campuses. Support from the federal and Ontario governments has been assured for construction. The first phase of building, at both locations, is expected to be completed within four years. It is expected that the two levels of government will provide \$20 million towards the costs of the first phase while industry provides an additional \$3.5 million.

Dr. Munro has most recently been director general, food directorate, health protection branch, Health and Welfare Canada, Ottawa. In this position, he was responsible for the activities of his branch related to microbial hazards, nutritional sciences, chemical safety and other matters relating to the health and safety of the Canadian public.

Dr. Munro will begin his duties with the Canadian Centre for Toxicology December 1. His office will be located at 645 Gordon St., Guelph.

A graduate of McGill University, he obtained his doctoral degree in toxicology and pharmacology from Queen's University. Dr. Munro, who has maintained active involvement in research, along with his administrative duties, is author of more than 60 scientific papers and has contributed 40 major reports to books, published documents and conferences. □

Gerontology Centre officially opened

Dr. Anne Martin Matthews, Director, at the official opening of the Gerontology Research Centre with, left, Dr. Ronald Bain, director, St. Peter's Centre, Hamilton and president of the Canadian Association on Gerontology, and Lawrence Crawford, provincial co-ordinator for senior citizens, Seniors Secretariat, Province of Ontario. Far left is Dean of Research, Bill Tossell and far right, Acting President, Dr. Howard Clark.



Males sought for cholesterol study

A University of Guelph study is planned to determine whether men can reduce high cholesterol levels by replacing some of their animal protein intake with plant protein.

Family Studies professor Nina Mercer is looking for volunteers for the research project. She needs males with elevated cholesterol levels, and is prepared to do some screening to find subjects, although she expects to get referrals from doctors as well.

The study has important implications since high cholesterol levels are believed to be connected to coronary heart disease. Prof. Mercer explains that many men with a family history of heart disease are under the supervision of a doctor who monitors cholesterol and triglyceride levels. There are, however, many other men who count meat as an important part of their diet and have high cholesterol levels that may result from animal protein consumption plus excess body weight or lack of exercise.

Research among large groups of North Americans who restrict themselves to vegetarian diets has demonstrated that reduced cholesterol levels are related to lower disease rates in those populations. The Seventh Day Adventists and a group of vegetarian Mormons have provided ideal study groups for this work.

Prof. Mercer has already conducted a preliminary study where she substituted soybean for milk protein in a group of 33 male and female volunteers and found that cholesterol readings among the group as a whole did not change significantly. However, a noticeable lowering of cholesterol was observed among the five men who came to the study with elevated levels of cholesterol. As a result, the current study will deal only with males in this category. The project, to start in January, will be conducted by Master of Science student, Maggie Laidlaw.

Volunteers must be available for six months, and must be able to drink milk which will be the vehicle of dietary change. They should know or suspect that their chole-

sterol is elevated. For the "needle-nervous," Prof. Mercer explains that the initial test will be a simple pin-prick, but that regular blood samples will be taken during the course of the study. Volunteers will be paid a total of \$150 in installments of \$50 made available upon successful completion of each of three eight-week periods.

The first period will be one of adjustment when diets may be altered under the direction of a dietitian to balance animal and plant protein. In the second eight-week period, half the volunteers will drink three cups of two per cent milk a day while the others drink a soy-corn beverage. In the third period these groups will be switched. During each period subjects will be required to do a five-day food record which involves recording and weighing all food consumed. Small amounts of blood will be sampled regularly and measured for cholesterol and triglycerides.

Prof. Mercer explains that milk was chosen as the vehicle of the study because it is possible to reduce the ratio of animal to plant protein while replacing animal protein and animal fat by the equivalent plant products, all in one simple beverage. Volunteers will not be required to change their usual food intake and weight will be carefully monitored as it is important that significant weight changes do not occur during the study.

Prof. Mercer emphasizes that the study is purely experimental at this point although it may eventually result in the production of a commercially available dietary substitute for the use of patients with diseases associated with elevated cholesterol.

Males interested in taking part in the study should contact Prof. Mercer at Ext. 2423. □

A Conservation Opportunity

Just before you leave the office, close your drapes and venetian blinds. This helps retain room heat.

Learning - the hard way

A deer broke two windows in the MacKinnon building last Wednesday morning.

A yearling doe went through an office window on the ground floor, Room 039, around 7:15 a.m. and then went back out through the same window. It also crashed through a large window in the main centre hall area facing the Library and left by the north hallway entrance, pushing the crash bar on the door. "It just shows how much one can learn after spending such a short time in one of our academic buildings!" said campus Police Chief, John Grant.

The deer proceeded down the walkway along the west side of the Power Plant. It

was last seen crossing East Ring Road near the P13 parking lot.

The deer lost a considerable amount of blood but was still able to walk. A search for it was unsuccessful.

Chief Grant estimates that the doe weighed about 250 lbs. and came from the Arboretum. "Normally deer don't come this close to the campus buildings but this one was obviously confused, perhaps by the thick fog that morning," he said.

Damage to the MacKinnon building is estimated at \$400. □

Annual student print sale The price is right

The annual Student Print Sale will be held all day Thursday, November 17 and Friday, November 18 in the basement of Zavitz Hall. Now in its 15th year, the sale is a showcase for young printmakers, a source of low-cost, limited edition original art prints, an opportunity for perceptive collectors to invest in future greatness, and a source of funds for the Department of Fine Art's unique collection of master prints.

The master print collection, according to Professor Walter Bachinski, consists of 125 major works of printmaking techniques by such masters as Rembrandt, Roualt and Picasso. The Duhrer woodcut, dated 1509, is probably the oldest work of art on campus. Two Jack Nichols prints will be added in the near future, and Prof. Bachinski hopes to acquire an original Matisse. "A good Matisse print will cost \$10,000," he says. "That amount, with any kind of luck, is the income we might expect from two years of student print sales."

The master print collection is always appreciating in value. A Kathe Kollwitz print, acquired a few years ago for \$1,000, is now valued at \$7,200. Astute buying, as in the case of the Picasso, will sometimes add a valuable print to the collection at well below market price.

Student prints may also appreciate in value. Prof. Bachinski says that most of the student prints at the sale will be priced in the \$3 to \$10 range which, for an original print, is practically giving them away. "It is quite possible that a few of them, made by students who go on to careers of artistic distinction, will become extremely valuable."

The sale offers an interesting challenge for the collector with a discerning eye — and the price is right. □

Have you contributed to United Way?



Time is running out for those who have not yet contributed to the 1983 United Way campaign.

"Although individual contributions are up by 20 per cent from last year, the rate of contributing is slower," says Trevor Watt, co-chairman for the University's campaign. "The area co-ordinators will be stepping up their efforts to encourage members of the University community to find their cards and fill them out."

The United Way campaign continues until the end of November with \$542,000 needed for the Guelph total.

Academe should produce critical public opinion

Scientists who become aware that their research could pave the way to dangerous technologies are not morally obliged to abandon that research. They are, however, morally obliged to make sure the dangers are fully understood by their peers and by society at large.

This was one of the points put forth by Psychology professor Harry Hurwitz during the latest of the "University and Nuclear Arms" discussions held every Monday in Room 442 of the University Centre.

This contention, explained Prof. Hurwitz, is not directed solely towards nuclear scientists; it applies equally to mathematicians, chemists, geneticists and even psychologists whose research into more efficient teaching methods might equally be subverted for brain-washing.

Prof. Hurwitz sees the primary function of the academic to be developing the critical faculty. "This is the first task of education," he said, "but today's academic must be prepared to give the best of his time and energy to the imparting of information."

Academics, according to Prof. Hurwitz, are required by their special position in

society to take up causes which have larger implications instead of responding to here-and-now demands. "It is our job to transcend the now, to open up a more historical perspective and to make it clear that each person can do something within his or her own ambit to go beyond the immediate."

Academics have never been in the forefront of social criticism, he continued. Too often they have been upholders of the status quo. On the other hand, history is not a sure guide to the future. Today's universities bear little resemblance to the universities of previous centuries. The emerging social sciences are providing leadership, not just in social criticism but in informed criticism.

"Our first responsibility," Prof. Hurwitz concluded, "is the creation of a large body of critical public opinion. This involves risk-taking and courage -- we have to be prepared to be wrong a great deal of the time."

Next Monday, November 14, Acting President Dr. Howard Clark, will address the topic "Universities and Their Social Responsibility" at 12:10 p.m. in U.C. 442. □



Students helping students

The Counselling and Student Resource Centre needs 12 students to launch its new peer helper program. Co-ordinator Lin Coburn describes the program as an experiment: "It is an attempt to tap the tremendous potential that students have to influence the growth and development of their peers."

The Counselling and Student Resource Centre provides students with campus information, study skills advice, personal counselling and career services for job placement and advice to international students.

Peer helpers must be in their third and fourth semesters. They will be expected to stay with the Department as peer helpers for approximately two years and they may, eventually, be involved in all areas of Departmental activity where they will work under the supervision of professional staff members. Students entering the program will be employed for one semester at the Connection Desk or in the Department's resource area. During their first semester in the program, they will work up to five hours a week and participate in a training program to be completed in seven two-hour sessions during the semester. The training will focus on developing a knowledge of campus and community resources and some basic helping skills. It will also be an opportunity for developing some self-awareness.

Recruitment for peer helpers who start work in January began this week. Job descriptions and application forms are available from the Connection Desk, level 3, University Centre. Deadline for applications is Wednesday, November 23 □

George Bernard Shaw Night

The Guelph chapter of the Humanities Association of Canada is hosting a double bill on George Bernard Shaw, Friday, November 11.

The evening will begin at 7 p.m. in Music Room 107 of the Mackinnon building with a lecture by Dr. J. Percy Smith on "Love in GBS." A distinguished Shaw scholar, Dr. Smith is well known as former Vice-President, Academic, at the University. Currently Professor Emeritus of Drama, he is also a long-time supporter of the Humanities Association.

Following the lecture there will be a performance at 8 p.m. by Dan H. Laurence, entitled "GBS in Love." This one-man show, created by Dan Laurence, is the production mounted by the Shaw Festival earlier this year.

The world's leading Shaw scholar, Prof. Laurence is distinguished visiting professor of drama at the University. He is literary advisor to the Shaw Festival Theatre and to the estate of Bernard Shaw.

Admission to the lecture and to the performance is free to members of the Humanities Association. For non-members there is a \$1 admission fee to the lecture, and \$2 to the performance of "GBS in Love." Admission to the lecture may be paid at the door. Admission to "GBS in Love" is by ticket, available from the Drama Department, Massey Hall, Ext. 3147. □

BOOKS



Professor William Christian, Political Studies, left, presents a copy of the second edition of his book, Political Parties and Ideologies in Canada, to Acting President Dr. Howard Clark. The 247-page monograph is published by McGraw-Hill Ryerson in Toronto.

Sigma Xi award to Dr. Clark

Acting President Dr. Howard Clark will receive this year's award for excellence in research for the Guelph community from the Guelph chapter of Sigma Xi Wednesday, November 16.

Dr. Clark will present the award recipient's lecture in Room 100, Botany/Genetics/Zoology building at 4 p.m. and everyone is invited. His topic is: "Platinum — The All Chemist's Metal."

The presentation of the award will take place at the annual dinner of the Guelph chapter of Sigma Xi following the lecture.

The object of the Society of the Sigma Xi is to encourage original investigation in the pure and applied sciences. This is done through the formation of clubs and chapters on university campuses and the activities of those groups. Guelph is one of only four campuses in Canada to have its own chapter of the international organization. There are nine chapters and clubs in Canada. □

Quebec contemporary writers A quest in itself

Quebec writers are searching for new directions, says Languages and Literatures visitor, Claire de Lamirande.

At the time of the separatist movement, Quebec writers saw themselves as spokesmen for the less articulate. They listened to the people and gave them a voice.

"Now, it seems, the people are telling us that we were getting and giving the wrong messages," says Mme. de Lamirande. "The result has been to leave us numb and unfocused, but at the same time, free to experiment."

Writing is alive and well in Quebec today, she says. Editors are flooded with manuscripts. Poetry is flourishing. There is a wealth of innovative, non-commercial theatre. Women writers are very much in evidence and workers in all the arts are expanding their cultural horizons, breaking through the constraints of Quebec politics, onto the stage of world concerns, particularly those related to the environment, world peace and the identity of women.

Professor Francois Pare, Director, French Studies section of the Department of Languages and Literatures, sponsored the author's visit to Guelph. He says Mme. de Lamirande is an exponent of a new force



in Quebec literature which is exploring the dynamics of the language itself to discover new forms of expression. "Now that the survival of the French language in Quebec is assured, writers are relieved of their special responsibilities as custodians of a literary tradition and can be more adventurous," Prof. Pare explains.

In Mme. de Lamirande's latest novel, *L'occulteur*, her ninth, she imagines a character in search of clues to solve a crime. Throughout the novel, which has several narrators, the reader remains unsure as to the identity and the importance of the author of the crime. The criminal may very well be the reader, but Mme. de Lamirande leaves this question unanswered. Reflecting the new concerns in Quebec literature, *L'occulteur* is a search, a quest in itself. □

Major veterinary fellowship established

OVC Dean Doug Maplesden, the only Canadian on the Council of Deans (COD) of the Association of American Veterinary Medical Colleges, has been instrumental in the development of a new fellowship open to both U.S. and Canadian citizens.

As a member of a subcommittee of the COD long-range planning committee, Dr. Maplesden and others have developed, with Pfizer Pharmaceuticals, a Pfizer Veterinary Research Fellowship to foster research opportunities for selected veterinarians who wish to pursue, in an academic environment, food animal research leading to an advanced degree in such areas as infectious diseases, immunology, nutrition, epidemiology, toxicology and biotechnology.

Each Fellowship is an annual, renewable award of \$30,000 U.S. granted to the Fellow's chosen institution of study. The first Pfizer Veterinary Research Fellowship will be awarded in 1984.

For more information contact Ext. 8907. □



Outstanding students in the College of Family and Consumer Studies were recognized at a recent B.A. Sc. awards reception. Upper right: Janet Wyman, left, Oshawa, a consumer studies major, is presented the first A.C. Nielson Award by Professor M. Hall, chairman, B.A.Sc. awards sub-committee; Bottom right, the H.H. Harshman Scholarships recipients: back row, Dr. H.O. Barrett, Harshman Foundation; Ruth Carswell, Thornhill, applied human nutrition

and Mary Jane Visser, Seaforth, child studies; front row, Karen Riseborough, Markham, applied human nutrition; Mrs. B. Harshman; Carolyn Trask, Alma, child studies, and Dr. Janet Wardlaw, Acting Vice-President, Academic. (Missing is Anne Todd, Millbrook, applied human nutrition); Bottom left: Angela Morrison, Guelph, consumer studies, receives the Joan Doherty Memorial Scholarship from Thomas Doherty, right, with FACS Dean Richard Barham.



Eight Top Teams to Participate in Gryphon Tip-off Tournament

The strongest field ever has entered the annual Gryphon Basketball Tip-off Tournament. The event, Friday, November 11 to Sunday, November 13 at the Athletics Centre features five teams which are expected to be ranked in the top 10 in Canada, and two squads from the U.S.

Gryphon men's basketball coach, Dave Arseneau 't, and men's intercollegiate supervisor, Londo Iacovelli, have secured two teams from last year's CIAU final four to headline the tournament. Last year's OUAA champion and CIAU finalist, the Waterloo Warriors, will have a strong team. Coach Don McCrae will be relying on All-Star forwards Peter Savich and Steve Atkin to lead his team to another OUAA title. The Brandon University Bobcats have talented players Earl Roberts, first team All-Canadian forward, John Carson and 6'10" centre, Wi I Marshall. The Bobcats have won the Great Plains Athletic Conference for the last four years and, with Waterloo, will be in the nation's top five.

Another team that could crack the top five also comes from the Great Plains Conference. The Lakehead Nor'Westers have one of the best backcourt combinations in the country with guards David Zanatta and Cheddie Warner. Zanatta is a former All-Canadian and is one of the game's most prolific scorers. The front line is headed by 6'7" centre Harry Van Laar. The University of Ottawa Gee-Gees finished in second place in the OUAA east division last season and are another threat. Coach John Restivo features a balanced team, but forwards Paul Manning and Rob Taylor should stand out. The Gee-Gees are expected to challenge for their division title again this season. The other Canadian entry is the Ryerson Rams. Rams coach Terry Haggerty has taken great steps to improve their program and they are expected to contend for a playoff berth this season.

Two U.S. schools will complete the draw. The University of Pittsburgh at Bradford was among the top six teams in NCAA Division II last year and St. Vincent's College of Latrobe, Pennsylvania, is also known for a strong program.

The defending tournament champion and host Guelph Gryphons will depend on a veteran unit to defend their title. Guards Greg Hook, Dan Sukara and forwards Paul Flack and Ron Henry will lead the Gryphons, along with newcomer Anthony Stewart. Stewart is a 6'7" recruit from Bell High School, Ottawa, who is said to have the potential to develop into one of the premier big men in the country.

Games are scheduled at 3 p.m., 5 p.m. 7 p.m., and 9 p.m. Friday and Saturday. On Sunday, action is slated for 9 a.m., 11 a.m., 1 p.m. and 3 p.m. Tickets are \$2 for students and \$3 for adults per day. No tournament passes are offered for sale.

The schedule of games for Friday has Waterloo facing Pittsburgh at 3 p.m., Ottawa taking on Lakehead at 5 p.m., Guelph facing Ryerson at 7 p.m. and Brandon meeting St. Vincent's at 9 p.m.

Football

The football Gryphons have placed six players on the OUAA Football All-Star teams and Coach Tom Dimitroff has been named "OUAA Coach of the Year" for 1983.

Linebacker Sam Benincasa and defensive back Jeff Volpe were first team selections, while offensive

guard Louie Godry, wide receiver Scott Lecky and linebackers Jeff Yanchus and Mimo Dimuzio were selected to the second team.

The football Gryphons finished the regular season with a 5-2 record, the same as in 1982.

Mr. Volpe and Mr. Benincasa are eligible for selection on the All-Canadian team which will be announced Friday, November 18 in Toronto during Vanier Cup Week.

Field Hockey

They call themselves "The No-Name" team and they nearly gave the University of Guelph their first-ever representative at the CIAU national championships.

Coach Karen Lee's field hockey squad finished the regular season with a 2-6 record and placed third out of 10 teams in the OWIAA Finals.

Cross-Country

Silvia Ruegger took individual honors at the OWIAA Track and Field Championship and also led the Gryphon team to second place overall in the team standings behind Western. Silvia finished the 5 km course in a time of 19:04. Louise McKenzie finished fourth, while Tracey Robinson finished sixth overall. □

CBS students present films

The College of Biological Science Students' Council is hosting Canada's leading underwater filmmaker, John Stoneman. Mr. Stoneman will give a lecture and film presentation Tuesday, November 22 at 7:30 p.m. in War Memorial Hall.

Tickets for students are \$2 and general admission is \$3. These may be purchased at the box office in the University Centre courtyard.

Mr. Stoneman's films about the ocean environment have gained him world recognition.

The Council will be showing two of Mr. Stoneman's films on video in the University Centre courtyard all day Thursday, November 10. □

Support centre for micro users

A drop-in centre had been established by administrative information systems, Institute of Computer Science, in the level 4, University Centre, user support centre.

The area contains an IBM Personal microcomputer and attached peripherals, such as a plotter. The microcomputer is connected to the Amdahl mainframe.

The purpose of the centre is to introduce the University community to a microcomputer with its various software — Lotus 1-2-3, dBASE II, and Wordstar.

The drop-in centre is open every Friday between 9 a.m. and 4:30 p.m. until the end of the year.

Details: User Support Centre Service co-ordinator, Phil Jones, Ext. 3065. □



Seven - minute walk will save frustration

Contrary to popular myth, University parking lots are never quite full. There are always vacant spots within a seven-minute walk from the centre of campus.

Lucie Turner, manager, Parking Administration Department, says that people arriving after 8:30 a.m. can save themselves time and frustration by driving directly to the outlying parking areas rather than looking for a spot near their destination.

In fact, compared with most Canadian universities, Guelph is rich in convenient parking space. There is room for 5,000 vehicles and throughout most of the year, actual usage is far below capacity.

In addition to her duties as director, co-ordinator and administrator of parking policies and regulations, Ms. Turner and her staff must also field complaints. No one appreciates getting a ticket and procedures exist for those who feel they have been unfairly tagged to appeal to the campus parking traffic court. The court meets every two weeks during the fall and the winter to consider appeals.

Ms. Turner says the most common complaint arises from the belief that the full value of coins inserted in parking meters should be available regardless of how much unexpired time there may already be showing. In fact, time paid for beyond the limit of the meter, does not register and may not be claimed.

Ms. Turner feels that, in proportion to the volume of traffic on campus, the number of complaints she receives is within a reasonable limit. Her staff appreciate the frustrations of users and strive to conduct themselves with tact and diplomacy, she says.

Ms. Turner has spent 10 years with the Department, first as supervisor and, since 1979, as manager. Her expertise gained international recognition when she was invited to serve for a second term on the board of advisors of the Institutional and Municipal Parking Congress. She was the first woman from Canada to serve in this capacity in the 29-year history of the Congress which is a forum for the exchange of ideas and provides leadership in the planning, development and operation of efficient, economical and convenient parking facilities. She is also a member of the Ontario Traffic Conference and is now assisting in the setting up of the new Canadian Parking Association. □

BRIEFLY

THE SURPLUS SALES Department has the following items for sale: one gas chromatograph, reserved bid of \$3,500, departmental sale only, SD #305; one digital incremental plotter, CALCOMP Mod. 663, Ser. #265; one tape unit, CALCOMP 770, Ser. #277; plus sundry items — inks, pens, etc., SD #318, open to public sale; one Basic PDP-9 computer, 8K memory without parity; one extended arithmetic element, type KE094; one dectape control, type TCO2; three dectape transports, type TU55; SD #307, open to public sale; one Iconix computer with papertape reader in cabinet, SD #228, open to public sale.

For viewing or further information, please contact the Surplus office, Blackwood Hall, at Ext. 8139.

THE THURSDAY NOON HOUR Concert on November 10 features Jeanne Baxtresser, flute, and John Van Buskirk, piano, from 12:10 p.m. to 12:45 p.m. and 1:10 p.m. to 1:45 p.m. in Music Room 107, MacKinnon building.

Program at 12:10 p.m. will consist of Handel's "Sonata in F Major, Op. 1, No. 11"; "Après un Réve" by Fauré; a Chopin "Nocturne" transcribed by Julius Baker; and "Sonata in D Major, Op. 94," by Prokofiev.

Program at 1:10 p.m. includes "Sonatine for Flute and Piano" by Dutilleul; "Morceau de Concours" by Fauré; "Vocalise, Op. 34, No. 14," by Rachmaninoff, transcribed by Jeanne Baxtresser; "Introduction" and "Toccata" by Anthony Newman, and "Suite Paysanne Hongroise" by Ma Bartók.

THE UNIVERSITY WILL OFFER a two-day course, "Introduction to Therapeutic Uses of Music," Thursday, November 10 and Friday, November 11, conducted by Dr. Arthur Harvey of Eastern Kentucky University at Richmond. For further information, contact Ext. 3957.

THE SERVICE OF INDUCTION of Reverend Dorothy Barker as Anglican/United Church Chaplain, University of Guelph will be held Wednesday, November 16 at 11 a.m. in the University Centre courtyard. A reception will follow in room 334, University Centre. Clergy please robe.

OUTSTANDING STUDENTS from Wellington County's public and high school systems are on campus this week for an enrichment program in human biology sponsored by the Board of Education and the University. The mini-conference, Wednesday, November 9 and Thursday, November 10 features workshop sessions dealing with nutrition, the human eye, bioethics, prosthesis, exercise and work physiology and the body system. Feature speakers from the School of Human Biology are Professor J.D. Brooke on "Science, Humans and Their Worlds" and Professor Trevor Hearn on "Bioengineering."

A REMEMBRANCE DAY SERVICE will be held Friday, November 11 at 10:55 a.m. in War Memorial Hall. Classes will be withdrawn from 10:45 a.m. to 11:20 a.m. so that all members of the University community may participate in this service. The University of Guelph Chamber Singers, under the direction of Dr. Charles Wilson, will perform several appropriate selections.

This service has been a tradition on campus since 1919.

THE COLLEGE WOMEN'S CLUB is proud to present The Meistersingers from Centennial Collegiate under the direction of Kelly Janzen Tuesday, December 6 at 8 p.m. in The Faculty Club, level 5, University Centre.

JUSTI VENHUIZEN and Doug Kernohan, Marketing Representatives from IBM will discuss and demonstrate new microcomputers from IBM Wednesday, November 16 and Thursday, November 17 at 9 a.m., 10:30 a.m., 1:10 p.m. and 3:10 p.m. in Room 441, University Centre.

Details: Alison Van Roon, Ext. 2706.

A PANEL DISCUSSION will be given by Dr. Govind Agrawal, Centre for Economic Development and Administration, Nepal; Mr. Fang Xiao, Science and Technology Commission, People's Republic of China; and Dr. Mochtar Naim, Padang University, Indonesia. The subject of the discussion is "Asian Perspectives on Development" with special reference to Canadian aid. It will be held on Monday, November 14, from 10 a.m. to 12 noon, in Room 441, University Centre.

These scholars are visiting Canada under the sponsorship of the Canadian Asian Studies Association with the financial support of the International Development Research Centre. The campus visit is sponsored by the Society for International Development, the Political Studies Department, the University School of Rural Planning and Development, and the Department of Geography.

TIMOTHY FINDLEY, novelist and playwright, will read and discuss his work on Monday, November 14 at 1 p.m. in Room 119, MacKinnon building.

TICKETS ARE NOW ON SALE for the University of Guelph Civic Orchestra Concert Thursday, November 17 at 8 p.m. in War Memorial Hall.

The Civic Orchestra, conducted by Dr. Stanley Saunders, will feature a major work by Mozart, the "Coronation" Concerto, with pianist, Anya Laurence.

Tickets, at \$4 general and \$3 for students and seniors, are available from the central box office, University Centre, and will also be sold at the door. For ticket information, telephone Ext. 3940.

JOHN ZIMAN, Imperial College, University of London, will deliver a talk of interdisciplinary interest entitled "What Are the Options: Problem Choice in Research," Friday, November 11 at 12:10 p.m. in Room 117 of the MacKinnon building.

GRADUATE NEWS

C. Anne Muckle

The final oral examination of C. Anne Muckle, Veterinary Microbiology and Immunology, a candidate for the Doctor of Philosophy degree, is Friday, November 11, 8 a.m., Room 207, Clinical Research building.

Dr. Muckle's thesis is entitled "Exotoxic Activities of *Corynebacterium pseudotuberculosis*." Her supervisor is Dr. C.L. Gyles.

Interested members of the University community are invited to attend. □

Weed team triumphs

The OAC triumphed at the North Central Collegiate Weed Contest held in Omaha, Nebraska. Crop Science professor, Jack Dekker, the team coach, says the Guelph team won decisively over teams from a number of well-known agricultural colleges (see *News Bulletin* 83 07 14).

OAC's graduate student team, with 657 points, topped second place Cornell (532) by a wider margin than separated Cornell from ninth placed Penn. State (427). Guelph also placed second at the undergraduate team level.

Prof. Dekker says that the graduate team scored a near total sweep — a first in both problem-solving and sprayer calibration and second in herbicide injury and weed identification. Mike Donnelly, Thorndale, was the overall contest high scorer with a first in sprayer calibration and a second in weed identification. Neil Harker, Guelph, trailed Mr. Donnelly by only one point to give him second place in overall scores including a perfect in weed identification. Fellow team members Brad Hedges, Harrow, and Jeff Quinn, Salford, maintained the same high standards to ensure a decisive win.

Undergraduate Loretta Krasko, Smithville, a last-minute conscript to the OAC weed team, scored the triumph of the day with a stunning 99 points in the critical field problem-solving section. Rob Annett, Bothwell, received first-place honors for the contest's highest undergraduate score. Barb Westfall, Point Edward, took third place honors and Jan McDonald, Westmount, Quebec, rounded out the undergraduate team performance. □

JOB OPPORTUNITIES

Clerk 1, Computer Operations. Salary range: \$217.69 - \$312.97. Open to on-campus employees only.
Student Laborers, Grounds. For emergency snow removal. \$8.37 per hour.

Best poster

A poster, "Social Interaction and its Relationship to Brain Biogenic Amines," by Graham Bean, a graduate student in Psychology, and Dr. T. Lee, Clarke Institute, Toronto, earned the Canadian Psychiatric Research Foundation Prize for the best poster presentation at Research Day 1983 held at Wellesley Hospital, Toronto.

The study showed that rats react to unnatural environments with hyperactive behavior and social withdrawing. Both these behaviors were found to be associated with abnormal central dopamine receptors and that these biochemical abnormalities could be reversed with antipsychotic drug treatments.

Mr. Bean's research is supervised by Professor H. Davis, Psychology. □

FACULTY AND STAFF ACTIVITIES

Literary Prize

Professor Marguerite Andersen, Languages and Literatures, has received the literary prize "Prix du Journal de Montréal" for her novel *De Memoir de Femme*. The prize is awarded once a year by the Montreal paper in collaboration with the Quebec Writers' Union.

Travels and Seminars

Dr. D.A. Barnum, Veterinary Microbiology and Immunology, presented a paper at the Canadian Veterinary Medical Association Annual Meeting in Calgary, entitled "Pityrosporum (Malassezia) Infection in Dogs and Man," co-authored by C. Smitka and **J.F. Prescott**.

He also presented two papers at the 8th International Symposium of WAVMI in Perth, Australia, entitled "Isolation and Serotyping of Animal Isolates of *Campylobacter jejuni* and *C. coli*, co-authored by D.L. Munroe and J.F. Prescott, and, "Evaluation of Competitive Exclusion for Prevention of Colonization of Salmonella in Poultry under Field Conditions," co-authored by **E.M. Davis** and C. Van Dycke.

Professor D.J. Blackburn, School of Agricultural Economics and Extension Education, chaired a meeting of the National Advisory Committee on a Proposed Study of Agricultural Extension in Canada held at Truro, Nova Scotia. He also gave an invited presentation on the Guelph videotape series, "Roby Kidd and the Heritage of Adult Education," at the annual meetings of the Canadian Society of Extension held in Truro. Prof. Blackburn also gave an invited paper, "Graduate Programs in Extension Education in Canada" at the Canadian Society of Extension Plenary sessions also in Truro.

Professor Victor Chanasyk, School of Landscape Architecture, and **Professor P. Harney**, Horticultural Science, have been appointed to the technical advisory committee of the plant introduction scheme of the Royal Botanical Gardens at Hamilton. This is a broadly-based institutions-industry-professions organization to identify worthy landscape plants and promote their broad public acceptance through publicity and participation agreement contracts with Ontario nurseries.

Professor J.H. Clark, School of Agricultural Economics and Extension Education, attended the Fifth International Farm Management Congress held in Nairobi, Kenya where he delivered an invited paper, "Farming Systems in Canada."

Professor Kenneth Dorter, Philosophy, presented the fifth in the Franklin J. Matchette Foundation lectures on "Plato and His Legacy," at the Catholic University of America, Washington, D.C. where the title of his lecture was "The Arguments of Plato's Parmenides."

Professor Kenneth Dorter, Philosophy, attended a conference on Plato and Islamic Philosophy, co-sponsored by The Society for Ancient Greek Philosophy and The Society for the Study of Islamic Philosophy and Science. The conference was held at Baruch College of The City University of New York. Prof. Dorter presented an invited paper on "The Theory of Forms and Parmenides I."

Professor O.P. Dwivedi, Chairman, Political Studies, attended the XIXth World Congress of Administrative Sciences, held in Berlin. During this conference, his co-edited book, *Ethics in the Public Service: Comparative Per-*

spectives, was released by the congress organizers. As director of working group on ethics, responsibility and accountability in the public service, Prof. Dwivedi organized several sessions and presented a report. In another working group session, he presented a paper, "Development and Technology Transfer." Also, en route to Berlin, he attended a meeting on management development program with the Commonwealth Secretariat, London, England.

Professor E.W. Findlay, School of Agricultural Economics and Extension Education, participated in the meetings of the North American Community Development Society held at Guelph as a member of the local Arrangements Committee. He was also participated in the pre-conference "Canada Day" activity sponsored by the Ontario Community Development Society.

Professor John Holbrook and Jack Weiner, Mathematics and Statistics, were invited speakers at the Northern Ontario Mathematics Association meeting held in Sudbury. Prof. Holbrook presented "Fractals: Infinitely Rough Math." Mr. Weiner discussed "Mathematics for Life: An Alternative Approach to Grade 12 General Level Mathematics."

Dr. D.G. Howell, Centre for International Programs, has been overseas on behalf of the University and the International Cell Research Organization (ICRO). He was in Vienna for discussions with the United Nations Industrial Development Organization (UNIDO), the Food and Agricultural Organization (FAO) and the International Federation of Institutes for Advanced Study (IFIAS) and in Stockholm for the International Foundation for Science (IFS). As a result of his visits the University is now an institutional consultant to UNIDO, with particular reference to the industrial use of agricultural products.

He also visited, under the auspices of the Canadian International Development Agency, the University of Zimbabwe to review the planning of its new veterinary school with university and government officials. He says there could be a possible Guelph involvement in the development of the school and with the livestock industry of the country.

Dr. Howell visited the United Nations University (UNU) in Tokyo, the Agricultural University in Beijing, the Asian Development Bank (ADB) in Manila, the Agricultural University in Malaysia, and the Microbiological Resource Centre (MIRCEN) in Hawaii. Discussions took place about Guelph's involvement in UNU's life sciences program and with the ADB about Guelph's role as an institutional consultant. In Beijing, he delivered three lectures to faculty on veterinary education, animal production and health, and biotechnology in relation to animal health, as part of the Guelph-Beijing exchange program.

He also attended, as an invited observer, the ministerial meeting in Madrid for the formation of the International Centre for Genetic Engineering and Biotechnology (ICGEB). He attended a workshop held in Trinidad under the auspices of the Caribbean Community (CARICOM) and the Economic Commission for Latin America (ECLA), concerned with agricultural research and management in the Caribbean. At this meeting he presented a paper on the role of universities in developed countries in collaborative programs related to agricultural research policy and management. He says that as a result of this visit discussions will be intensified with the Inter-American Development Bank (IDB) on possible Guelph involvement in university programs in the Caribbean.

Anya Laurence, pianist, Music, appeared as lecturer/recitalist in the Fridays-at-Noon series, faculty of music, University of Western Ontario. Ms. Laurence spoke about and played works by women composers, based on information found in her book, *Women of Notes -- 1,000 Women Composers Born Before 1900*. She was the only woman ever to appear in the series.

Professors Alex L.A. Middleton and Thomas D. Nudds, and graduate students **Leslie Beattie, Louise White, John Ball** and **Pat Kehoe**, Zoology, attended the centenary meetings of the American Ornithologists' Union at the American Museum of Natural History in New York. Prof. Nudds presented a paper, "Competition, Habitat Diversity and Species Packing in Duck Guilds in Aspen Parkland."

Professor D.L.G. Noakes, Zoology, of the group for the advancement of fish studies was an invited participant in the recent Conference on Lake Trout Research, Strategies for Rehabilitation in the Great Lakes. The Conference, sponsored by the Great Lakes Fishery Commission and held at Goderich, was attended by 50 scientists from the U.S. and Canada.

PUBLICATIONS

Andersen, M., 1983. "Sacree Langue ou Langue Sacree," *Canadian Woman Studies/les Cahiers de la Femme*, Vol. 4, No. 4: 36-39 (Languages and Literatures).

Fletcher, R.A., T. Venkatarayappa and V. Kalidumbil, 1983. "Comparative Effects of Abscisic Acid and Methyl Jasmonate in Greening Cucumber Cotyledons and its Application to a Bioassay for Abscisic Acid," *Plant and Cell Physiol.* 24(6): 1057-1064 (Environmental Biology).

MacKinnon, Neil J., 1983. "Gender Differences in Educational Achievement: A Study in Social Inequality," *Canadian Journal of Sociology* 8: 395-419 (Sociology and Anthropology).

Porter, M.A. and B. Grodzinski, 1983. "Regulation of Chloroplastic Carbonic Anhydrase - Effect of Magnesium," *Plant Physiol.* 72: 604-605 (Horticultural Science).

Rein, C.R. and D.A. Barnum, 1983. "Evaluation of Turkey Cecal Microflora in Protecting Day-old Poults from *Salmonella typhimurium* Challenge," *Avian Dis.* 27(3): 632-643 (Veterinary Microbiology and Immunology).

Rioux, C., D.C. Jordan and J.B.M. Rattray, 1983. "Colorimetric Determination of Catechol Siderophores in Microbial Cultures," *Anal. Biochem.* 133: 163-169 (Rioux, Jordan, Microbiology; Rattray, Chemistry).

Snell, T.G., 1983. "'The White Life for Two': The Defence of Marriage and Sexual Morality in Canada, 1890-1914," *Histoire sociale*, 16: 111-128 (History).

Yarmey, A.D., 1983. "Eyewitness Identification: Psychological Aspects," in S.H. Kadish (ed.), *Encyclopedia of Crime and Justice* Vol. 2, New York: Free Press, 1983 (Psychology).

Yoshida, H. and J.C. Alexander, 1983. "Enzymatic Hydrolysis in Vitro of Thermally Oxidized Sunflower Oil," *Lipids* 18: 611-616 (Nutrition).

Next Week at Guelph

THURSDAY, 83 11 10

Noon Hour Concert - JEAN BAXTRESSER & JOHN VAN BUSKIRK, flute and piano, 1210 and 1310, MacK107.
Worship - CATHOLIC MASS, 1200, chapel, level 5, UC.
Apiculture Club - HONEYBEE COMB: EFFECTS OF CELL SIZE ON BEE GROWTH, G. Otis, 1710, Graham Hall, Rm. 200.
Graduate Seminars - MASTITIS AS A CAUSE OF DEATH IN DAIRY COWS: A RETROSPECTIVE ASSESSMENT, M. Hazlett, 1110, Path220.
Inter-Varsity Christian Fellowship - KNOWING SCRIPTURE: WAYS TO UNDERSTAND THE BIBLE, 1845, ASN141.
Guelph Field Naturalists - POTLUCK SUPPER, 1815: THE STORY OF MISERY BAY: MANITOULIN ISLAND, S. Hilts, 1945, Trinity United Church, 837-2684 for details.
Meeting - GUELPH WOMEN'S CENTRE, organizational meeting, 1930, Guelph Public Library.
Lecture - IMPACT OF EXCHANGE RATES, WORLD INFLATION AND INCOME ON U.S. AGRICULTURAL TRADE, M. Bredahl, 1430, UC332.
HAFA Restaurant - TURKEY DINNER, 1145 to 1300, HAFA, reservations, Ext. 8116.

FRIDAY, 83 11 11

Remembrance Day Service - 1055, WMH.
Friday Flicks - AIRPLANE I AND II, 1930 and 2130, PS105.
Worship - FACULTY CHRISTIAN FELLOWSHIP, 1200, Johnston Hall 157.
Psychology Colloquium - WHAT ARE THE OPTIONS: PROBLEM CHOICE IN RESEARCH, J. Ziman, 1210, MacK117.
Lecture - GBS IN LOVE, D. Laurence, 2000, MacK107.

SATURDAY, 83 11 12

Continuing Education - GROWING THE HYDROPONIC WAY, T. Popadopoulos, 0930; SUCCESSFUL VEGETABLE PRODUCTION & STORAGE, 0930, Ext. 3956 to register.
Open House - ARC INDUSTRIES, 0930 to 1630, 8 Royal Rd.

SUNDAY, 83 11 13

Hollywood Nites - TOOTSIE, 1930 and 2130, WMH.
Worship - ANGLICAN/UNITED, 1600, UC441; CAMPUS CHURCH SERVICE, 1030, PS113; CATHOLIC MASS, 1000, PCH.
Guelph Cycling Club - GUELPH LINE, 1000, UC.
International Cinema - CHAN IS MISSING, 2000, PS105.
Sunday Afternoon Walks - FLANDER'S FIELDS, 1400, J.C. Taylor Nature Centre.
Concert - UNIVERSITY OF GUELPH CHAMBER SINGERS, 1430, MacK107.

MONDAY, 83 11 14

The University and Nuclear Arms - UNIVERSITIES AND THEIR SOCIAL ROLE, H. Clark, 1210, UC442.
Staff Development Opportunities - COMPUTER CONCEPTS, M. Brochet, 1330, Ext. 3058 to register.
Clinic - RESUME WRITING, 1600, UC334.

TUESDAY, 83 11 15

Worship - CATHOLIC MASS, 1700, chapel, level 5, UC; CHRISTIANITY AND MARXISM, 1700, UC332.
Our World - SUPER MARKET TOUR: ARE YOU BEING MANIPULATED?, 1210, UC442.
Meeting - MICROCOMPUTER CLUB, 1900, ICS212.
Continuing Education - BEEF CATTLE HEALTH RESEARCH REVIEW DAY, 0830, Ext. 3064 to register.
Physics Seminars - ATOMIC AND MOLECULAR PROCESSES IN PLANETARY ATMOSPHERES, J.C. McConnell, York University, 1600, PS113.
Staff Development Opportunities - OFFICE PROCEDURES, P.A. Corcoran, 1900, APS141, Ext. 3058 to register.
Study Skills Seminar - WRITING FINAL EXAMS, 1200, UC103.
Meeting - SENATE, 2000, PS113.

WEDNESDAY, 83 11 16

Worship - CHRISTIAN DOCTRINE CLASS, 1700, UC334; IMMANUEL FELLOWSHIP, 1900, AS141; ANGLICAN EUCHARIST, 1210, UC301; CATHOLIC MASS, 1700, chapel, level 5, UC.
Staff Development Opportunities - MICROCOMPUTER CONCEPTS, M. Brochet, 1330, ICS212, Ext. 3058 to register.
Biochemistry Seminars - PROTEIN SYNTHESIS IN DROSOPHILA X VIRUS-INFECTED CELLS, P. Dobos, Microbiology, 1200, PS222.
Gerontology Research Centre Seminars - UNEMPLOYMENT AND FAMILY STRUCTURE, J. Tindale, Family Studies, 1200, UC332.
Lecture - PLATINUM - THE ALL CHEMIST'S METAL, H. Clark, 1600, BGZ100.
Classes - CITIZENSHIP ORIENTATION, 1930, 128 Woolwich St., Ste.203.
Chemistry Seminars - GENETIC AND BIOCHEMICAL STUDIES WITH MUTANTS, R.S Gupta, McMaster, 1500, CM319.
Induction - REVEREND DOROTHY BARKER, chaplain, 1100, UC courtyard.

THURSDAY, 83 11 17

Noon Hour Concert - PETER VINOGRAD, piano, 1210 and 1310, MacK107.
Worship - CATHOLIC MASS, 1200, chapel, level 5, UC.
Apiculture Club - ONTARIO NECTAR SOURCES, R.W. Shuel, 1710, Graham Hall, Rm. 200.
Graduate Seminars - DYNAMICS OF MARINE MAMMAL SKIN, D.J. St. Aubin, 1110, Path220.
Inter-Varsity Christian Fellowship - HE SPOKE TO THEM IN PARABLES: CAN WE UNDERSTAND TODAY, 1845, ASN141.
Faculty Association - COUNCIL MEETING, 1930, Faculty Club Lounge.
Concert - UNIVERSITY OF GUELPH CIVIC ORCHESTRA, 2000, WMH.
Lecture - THE AMBIGUITIES OF FLAUBERT'S MADAME BOVARY, O. Morgan, McMaster, 1400, MacK303.
Resources Management Club - HARP SEAL MANAGEMENT IN THE NORTHWEST ATLANTIC, K. Ronald, 1900, LRS124.



Available

Accurate, fast typing or computer key-in in English, French, German, 822-2756.

For Sale

Girl's size 12 navy blue English riding jacket, rolled leather English show bridle, size 5 Aigle English riding boots, size 4 leather English riding boots, Eggbutt snaffle bit, 843-5778 after 1800; 1977 Plymouth Sport Fury, 837-2316 after 1800; stereo recorder player with radio and cassette player, weight set, 822-5167 after 1700; 1975 Cutlass Supreme, 843-5424 after 1800; pine/oak bedroom suite, wardrobe, collector plates, men's 5-speed bike, baby bassinet, English laced bridle, 822-6383 before 0830; 9-piece dining suite and 4-piece bedroom suite, 824-8298; 4-band Lowe Opta cabinet stereo, portable typewriter and case, men's and ladies' skates, 836-0473; Acorn fireplace, cub uniform, girl's figure skates, size 11, girl's tube skates, size 11, men's Bauer skates, size 8, children's French books, 824-5119 after 1800; gold, black and white chesterfield and chair, 843-1441 between 1100 and 1730.

Wanted

Girl guide uniform and bunk beds, 823-1559 after 1730; ride from Burlington to Guelph daily starting January, (416) 632-5910.

For Rent

Fully furnished three-bedroom house in Guelph, Jan. to July, 1984, 822-1456; oceanfront condominium, Jan. 7 - 14, Fort Myers Beach, Florida, 822-6838 before 0800.

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