



Capital fund drive launched for equine centre

The capital fund raising campaign for the Guelph Centre for Equine Research is ready to begin and owners, breeders and suppliers to the equine industry will be given the opportunity to help make the Centre a reality.

A joint venture of the equine industry, the government of Ontario and the University of Guelph, the Centre will be managed by an independent advisory council made up of representatives from the equine industry, the Ontario Racing Commission, the Ontario Ministry of Agriculture and Food and the University.

The planned facilities, which will be built as soon as capital support from the industry is assured, will include a laboratory building, a reception/isolation building and paddocks. The capital fund drive goal is the estimated \$2.3 million construction cost of the new facilities. Operating funds for the Centre will be provided by the Ontario Racing Commission, OMAF, the E. P. Taylor Equine Research Fund, various foundations and research contracts.

The Centre will be dedicated to meeting the research needs of the equine industry in Ontario. Experts in a number of veterinary specialties will be associated with the Centre, focusing their considerable expertise on problems related to the health and per-

formance of horses. Initially, research in the Centre will focus on three main areas: respiratory and cardiovascular disorders, breeding efficiency and infertility, and growth, development and performance. In addition to this research activity, the Centre will offer an information service to collect and distribute information from around the world to individuals, organizations and veterinarians.

Director of Alumni Affairs and Development Jim Elmslie, campaign director, anticipates that the personal solicitation phase of the capital fund drive will be completed in six to eight months. If the campaign goes as planned, construction could begin in April, 1986. Gifts to the campaign will range up to \$500,000, he says, noting that several large gifts have already been pledged.

Dr. Donald Macdonald and Jack Pemberton, co-chairmen of the campaign, have assembled a campaign team that represents all sectors of the equine industry. The team includes Robert Anderson (thoroughbred section), A. M. "Mac" Cuddy (standardbred section), Walter Hellyer (quarter horse section), Dorinda Fuller (pleasure horse section), Cameron Shantz (draft horse section), and Harry Addison who will contact companies and corporations supplying or

otherwise associated with the equine industry.

Dr. R. A. Willoughby has been named acting director of the Guelph Centre for Equine Research. Research activities of the Centre are well under way.

The Guelph Centre for Equine Research will meet a long-felt need for a world class research facility dedicated to the needs of horses and the equine industry. Many Canadian owners now take their research problems to the U.S. The Guelph Centre should change that. Owners and breeders support the concept of the Centre and have been active in organizing the fund raising campaign, Mr. Elmslie points out.

Most of the campaign will be conducted through personal contacts and through a direct mail campaign, building on an awareness campaign which began with an exhibit and videotape at the Royal Agricultural Winter Fair in November. □

UC plans bash to mark big "10"

Plans for the University Centre's 10th birthday celebration are under way. March 28 has been declared "UC Day." The day will include a party for all members of the University community with special entertainment, dancing and a giant birthday cake — all in the University Centre.

A free draw, open to all members of the University community, is also planned. The grand prize, courtesy of Air Canada and P. Lawson Travel, is two return tickets from Toronto to any Air Canada destination in Canada, the U.S., the Caribbean or Europe. □

Modern surgery saves horses with colic

by Ann Middleton

The word "colic" brings to mind walking the baby, sleepless nights and remedies like gripe water and tummy rubbing. When a horse gets colic, however, the remedies are not simple and the condition can be fatal. OVC Hospital director Dr. Wayne McDonell explains that colic in horses is really a catch-all phrase for abdominal pain covering a variety of causes ranging from a kink in the intestine to kidney stones.

Until 15 or 20 years ago, cases of abdominal obstruction were almost always fatal. Even now a horse with severe colic may die within a matter of hours if it is not operated on. However, modern veterinary surgery saves many horses every year. At the OVC, the 110 equine colic surgeries performed in 1983 accounted for a significant proportion of major surgery in large animals.

Dr. Donald Horney, the senior member of the surgical team, explains that 25 years ago, only minor abdominal surgery was carried out on horses. The techniques haven't changed that much, he says, but more sophisticated treatment and anaesthetics have led to the current 60 per cent success rate in colic operations. These are animals that would have died without surgery, he points out. As a result, many owners now bring their valuable race horses, show horses and family pets to the Hospital, usually from the southern Ontario area, but sometimes from as far away as Ottawa, northern Ontario and the U.S.

Horses are among earth's most beautiful creatures, but what Mother Nature gave them in grace of movement, she withheld in interior design. The exterior houses 100 feet of large and small intestine which is very prone to kinking and swelling when the animal has gas problems.

Modern feeding practices dictate high energy rations two or three times a day for high performance animals and probably do not induce peaceful digestion in an animal designed to graze all day. However, even horses left to graze get colic to a lesser degree, Dr. Horney says. He explains that gas may be caused by something as simple as improper chewing or stale food. "Horses have tricky intestinal systems; they are easily upset by sudden changes in feed," he says.

Parasites, too, cause serious problems. Common pests are the round worm, which can block the intestine, and the blood worm which can so damage the intestinal wall that



OVC surgeons make the incision on an anaesthetised horse.

up to 30 feet of digestive tract may have to be removed.

"When a horse has colic, the only thing the owner can do is walk the animal," Dr. McDonell says. Horses are unable to vomit or burp and, although they can break wind as anyone who has ridden behind one knows, gas build-up can be severe enough to rupture the intestine, a condition that is almost always fatal.

When an animal is brought to the OVC with symptoms of colic, the decision to perform surgery is made on the basis of numerous tests, but Dr. McDonell explains that a definitive diagnosis may have to wait until the exploratory laparotomy takes place. Then the medical team of surgeon, anaesthetist, resident, senior student and animal care technologist set to work to repair the problem.

Anaesthetist Peter Pascoe explains that the decrease in mortality in colic surgery has been due largely to improvements in anaesthetic technology over the past 15 years. Before that, the available anaesthetics had a very depressive effect on the animal. Then came halothane, he says, a much more controllable agent, and at the same time ventilators began to be widely used.

Another major advance has been in fluid therapy. "We've learned a lot about this in the last eight years," Dr. Pascoe says. "When horses have a serious intestinal obstruction they start losing fluid into the abdomen. This depletes the blood volume and tends to create circulatory shock." This can often be corrected by a fast-flowing drip of up to 500 ml a minute, a significant amount of fluid during an operation that may last up to five hours.

Other significant changes over the last 10 to 15 years have been the development of drugs to support circulation, keep-

ing the animal at what Dr. Pascoe describes as "physiological normality" during the operation. "At the end of surgery the incidence of post-operative shock is much lower than it was 15 years ago," he says. However, in spite of improvements, many horses still die, Prof. Pascoe says. "One factor that we have little control over is the time elapsed before we see the horse." Once the condition has progressed beyond a certain point, the anaesthetist explains, "no amount of therapy can save the animal." Another new line of drugs helps prevent endotoxic shock which occurs when the intestinal wall is breached and bacteria get into the cardiovascular system.

Following surgery, horses are kept under intense observation for periods ranging from hours to several days. Recovery takes between a week and a month, depending on the severity of the condition. After recuperation, more than 95 per cent of horses that have been successfully treated return to their previous functions.

"Colic is traumatic to both horse and owner," Dr. Horney says. However, many animals that would previously have died are now being saved to return to the race track or show ring or to jot through the paces at the pony club meet. Although surgery costs between \$2,500 and \$3,000, race horses may be worth anything up to \$1 million. Sometimes it's not a valuable animal, but an old friend who's being saved.

The equine surgery team includes Clinical Studies professors Dr. Mimi Arighi, Dr. Normand Ducharme, Dr. Horney, Dr. Mark Hurtig and Dr. Michael Livesey. The anaesthetic team is made up of Clinical Studies professors Dr. Pascoe, Dr. McDonell, and graduate students Dr. Doris Dyson, Dr. Tom Doherty and Dr. Christine Waelchli-Suter. □

CBC to broadcast live during Open House Weekend

The University of Guelph is going out to the public as well as inviting the public in March 9. The CBC radio program "Fresh Air" is broadcasting live from the University Centre to help celebrate College Royal and University Open House Weekend. Open House Weekend annually attracts some 40,000 visitors.

Bill McNeil and Cy Strange, the co-hosts of "Fresh Air," have lined up a program of live music and interviews which promises to entertain as well as inform. They will chat with present and past organizers of College Royal, including Larry Demaray, the first president, in 1925. Specialists in areas as varied as adult education and political studies will reflect on what is happening in the world today. Sheila Shotton will be here to inquire about the performing arts at the University.

Bill McNeil, Cy Strange, and the College Royal committee invite the public to attend the live broadcast which runs from 6 a.m. to 9 a.m., Saturday. Bring along the entire family to enjoy the show in the cafe atmosphere of the Centre Six Restaurant on the main floor of the University Centre. Hot coffee, tea and donuts will help dispel any lingering winter chills. Admission is free.

At 11 a.m. Saturday, Bill McNeil and Cy Strange will officiate at the formal opening ceremony in Peter Clark Hall, University Centre, of the 61st College Royal.

A popular CBC-AM program for 16 years, "Fresh Air" is heard Saturdays from 6 a.m. to 9 a.m. and Sundays from 6 a.m. to 8:30 a.m. The program has avid fans throughout Ontario, Quebec and northern New York State who regularly write to Bill McNeil and Cy Strange as well as to each other.

Bill McNeil is the author of books which include *Signing On . . . The Birth of Radio* and *Mr. Canada . . . John Fisher, Voice of the Pioneer*, a tribute he wrote to early settlers for Canada's centennial year, developed into a series and is now a popular feature on "Fresh Air." Cy Strange is known to many as the co-host of both "Fresh



"Fresh Air" co-hosts Bill McNeil, sitting, and Cy Strange.

Air" and "From Now On," CBC-TV's series for older adults. Through the years, he has narrated numerous documentaries and been the announcer for radio programs which include "The Kate Aitkin Show" and "Our Gal Sunday."

After the CBC show, College Royal and University Open House Weekend will be in full swing. Originally an agricultural show when it began in 1925, the event has snowballed into a rich diversity of events and competitions representing every College and School in the University. Psychological tests, fashion shows, a computer demonstration have taken their place alongside the more traditional events such as the livestock show, old-time square dance competition, and the seeds and forage show. For the youngsters there is a pet zoo of cuddly animals and a magic show.

The University will be open from 9 a.m. to 5 p.m. Saturday and 11 a.m. to 5 p.m. Sunday. Parking is free during the weekend, as is the shuttle bus service that circles the campus beginning at 11 a.m. on both days. □

Nominations sought for Senate seats

The month of March marks the annual Senate elections for the session commencing September, 1985. Faculty members, undergraduate students and graduate students will be seeking election to Senate.

There are 60 seats on Senate for elected faculty members and 24 of these will be vacant at the end of the present session of Senate. Faculty members are elected to Senate for a three-year term. The number of vacant seats in each College is: Arts — 3; Social Science — 4; College of Biological Science 2; Physical Science — 2; FACS — 3; OAC — 3; OVC — 6.

Faculty members have received forms and information about the election by campus mail from the University Secretariat. Nomination forms must be received in the University Secretariat office by Friday, March 8.

Undergraduate students hold 23 seats on Senate and serve for a one-year term. The number of students elected from each program is in proportion to the enrolment in the program and is as follows: B.A. — 5; B.Sc. — 5; B.Sc.(Agr.) — 3; B.A.Sc. — 2; D.V.M. — 1; B.Sc.(Eng.) — 1; B.Sc.(H.K.) — 1; B.L.A. — 1; B.Comm. — 1; Associate Diploma — 1; General Studies — 1.

Graduate students hold eight seats on Senate, one for each College and one for the University School of Rural Planning and Development, and serve for a one-year term.

Posters advertising the election are on display in each academic Department and in all public areas of the University. The election has also been advertised in the student newspaper, the *Ontarion*. Students may obtain nomination forms from the College Deans' offices, the University Secretariat, level 4, University Centre, and the Connection Desk. Nomination forms must be received in the University Secretariat by Friday, March 1. All full-time and part-time students are eligible to stand for election. □

Student regulations under review

The Committee on Student Rights and Responsibilities is reviewing student regulations. Policies and rules and regulations on student conduct and penalties for student misconduct are outlined in the document, *University of Guelph Student Regulations*.

Anyone with suggestions to amend the regulations should contact the Committee, c/o the chairman, Paul Gilmor, Office of the Provost, level 4, University Centre, by February 15. □

Canada's working class

An authority on Canadian working class history will be a visiting professor in the Department of History from March 4 to March 15.

Dr. Gregory Kealey, Memorial University of Newfoundland, will give several lectures to undergraduates, graduate students and faculty in the Department of History while here. He will also present a public lecture March 14, 8 p.m., Room 121, Mac-

Kinnon building on "The Canadian Working Class: Past, Present and Future."

The visiting professor is author of *Toronto Workers Confront Industrial Capitalism* and *Dreaming of What Might Be: The Knights of Labour in Canada*. He is also founding editor of *Labour/Le Travail*.

Contact History Professor Terry Crowley, Ext. 3211, for further details. □



Are you going to Guelph's health fair?

The '80s may be remembered as the decade in which we all became more interested in fitness and health than in sickness and cure.

This sign of the times is reflected in Health Fair '85, on March 4 and March 5, the University's first-ever two-day exposition devoted to the total well-being of everyone on campus.

Health Fair '85, sponsored by the Health Promotion Task Group in co-operation with the Counselling and Student Resource Centre, will feature 27 booths on such concerns as vision, hearing, sexuality, stress, blood pressure, athletic injuries, gay health, oral hygiene, drug awareness, women's issues, and spiritual health.

The booths will be manned by on-campus resource people representing Medical Services, the University chaplains, the bookstore, the pharmacy, the dentist, the Nutrition Club, Department of Athletics, and, the Women's Resource Centre. Off-campus representatives will include the Ontario Science Centre, McMaster's Medical Centre, and many others.

Norm DeMers, chairman, Health Promotion Task Group, says the Health Fair is open to students, staff and faculty members and the general public. Everyone will be able to pick up a Health Fair passport, free-of-charge, to record the results of health tests for blood pressure, vision and hearing. Information about a variety of health concerns will also be available.

The objective of the Fair, according to Mr. DeMers, is to introduce students to the health services available and to encourage self-knowledge and self-help.

Health Fair '85, is the Health Promotion Task Group's second program this year. It has also been responsible for Alcohol Aware-

ness Week and the Love Bug display. Each event is an expression of the group's primary objective — to foster the physical and mental well-being of students by providing current health information and life skills that provide the basis for healthy behavior.

Health Fair '85 is from 10 a.m. to 4 p.m. in the courtyard of the University Centre. □

GWC² to welcome lecturer

Professor Henry Joseph Shine, Horn Professor of Chemistry, Texas Tech University, department of chemistry, Lubbock, Texas, will lecture at Guelph and the University of Waterloo as part of the Guelph-Waterloo Centre for Graduate Work in Chemistry distinguished lecturer series.

Prof. Henry will consult with staff and students and deliver three lectures: "The Benzidine Rearrangements. Early History: The Search for the Holy Grail" March 11, 3:30 p.m., Room 121, Physical Sciences building, followed by a wine and cheese reception in the Faculty Club, level 5, University Centre from 5 to 7 p.m.

"Heavy-atom Kinetic Isotope Effects in Solving Mechanism of the Benzidine and Related Rearrangements," will be presented March 13, 3:30 p.m. in Room C2-171, Waterloo campus.

"Reactions Induced by Electron Transfer to Organosulfur Cation Radicals" is March 15, 3:30 p.m., Room 121, Physical Sciences building. □

Zoology to host research biologist

Dr. James D. Nichols, research biologist with the United States Fish and Wildlife Service in the Migratory Bird and Habitat Research Laboratory at Patuxent Wildlife Research Center in Laurel, Maryland, is to visit the Department of Zoology from March 4 to March 8.

His research interests centre upon the dynamics of migratory bird populations, with special emphasis on statistical models for estimating population parameters. He has also worked on the effects of harvest on population dynamics in alligators and fur-bearing mammals, reproductive strategies of mammals and birds, and temperature-

dependent sex determination in reptiles.

During his stay, Dr. Nichols will lecture to graduate and undergraduate classes in wildlife biology and management. His lecture to the Zoology Department, March 6 at 7:10 p.m. in Room 359, BGZ, will focus upon his most recent interests in adapting popular indices of animal abundance from capture-recapture methods to the estimation of speciation and extinction rates from fossil data.

Persons interested in meeting Dr. Nichols should contact Dr. Tom Nudds, Ext. 3074. Dr. Nichols will use Dr. Nudds' office, Room 159, BGZ, during his visit. □

TO THE EDITOR

Dear Editor:

I wish to urge you to return to the more detailed reports of Senate meetings previously carried in the *News Bulletin*. Senate and the Board of Governors are our "Parliament," and we should be aware of their decisions. Many readers may skip over these reports, but it is essential that they be available.

The *News Bulletin* is the closest the University has to a journal of record or gazette, and the back copies provide a convenient way to research Senate decisions — more convenient than the minutes which are not well organized for this purpose.

Unfortunately, Senate does not have a very high profile in the University — it is difficult to get nominations in some Colleges and seats are often filled by acclamation. The new aims and objectives document places much emphasis on institutional loyalty, and the Senate can play an important role in building and maintaining this loyalty in the face of the centrifugal forces of departmental and disciplinary or professional loyalties.

*Professor H. W. Chapman,
Biomedical Sciences.*

First tenant for techno-park

A new animal pathology laboratory for the federal government will become the first tenant in the University's technobusiness park on Stone Road. The long-awaited announcement came last Friday from Ottawa. Construction is expected to start soon in the centre of the park, opposite the fire hall. Completion is scheduled for the summer of 1986. The new laboratory will replace the existing smaller laboratory on Gordon Street, adjacent to the Botany-Genetics-Zoology building and opposite Graham Hall.

The federal government wanted to renovate and expand its present facilities, according to Vice-President, Administration, Charles Ferguson, but cost studies indicated that it would be preferable to build a new facility. "We thought that they would be an ideal first tenant in the technobusiness park, and we reached an agreement," says Mr. Ferguson.

When construction is completed, the University will acquire the present federal building on Gordon Street. "Its possession will give us flexibility," says Mr. Ferguson. It will be possible to use the building as "staging space" to accommodate University offices and laboratories while new construction and renovations proceed elsewhere on campus. □

Recognition awards for OAC faculty members

Three faculty members were honored at a recent presentation by the OAC Alumni Association for their contributions to the life and work of the OAC and to agriculture in Ontario.

School of Agricultural Economics and Extension Education professor Bill Braithwaite received the OAC Alumni Distinguished Teacher Award. Horticultural Science professor Doug Ormrod received the OAC Alumni Distinguished Researcher Award. Land Resources Science professor Thomas H. Lane received the OAC Alumni Distinguished Extension Worker Award.

Prof. Braithwaite is known for his excellence in communicating with students in the classroom, for his innovative approach in introducing new techniques, and, for his pioneering efforts in introducing computer technology in the classroom. He has also been involved in management short courses and in the Advanced Management Program for the Hospitality Industry (AMPHI) offered by the School of Hotel and Food Administration. Prof. Braithwaite has been a faculty member at Guelph since 1959.

Prof. Ormrod came to Guelph in 1969 as Chairman of the Department of Horticultural Science. His research efforts have been primarily related to the environmental physiology of horticultural crops and air pollution problems of agriculture in general. He has maintained a high level of support from the Natural Sciences and Engineering Research Council (NSERC), as well as other sources, and under his supervision 11 students have completed their studies for the Ph.D. degree and 30 for the M.Sc. degree.



OAC alumni honored: left to right, Mr. Jocius who made presentations to Professors Braithwaite, Ormrod and Lane.

Prof. Lane, known for his understanding of farmers' problems and practical solutions to those problems, joined the OAC faculty in 1951. He is a long-time member of the Soil Conservation Society of America, and pioneered such concepts as soil judging competitions for junior farmers, and, promoted soil testing and on-farm demonstration plots. He has been a leader in promoting reduction in both depth of tillage and amount of tillage on Ontario farms. His studies of micronutrients in crop production led all of North America in this work. Prof. Lane has been a strong advocate of the use of animal manure in crop production. As animal populations rose in the late 1950s and early 1960s,

he and two or three others sampled manure and visited farms to draft recommendations for manure use. Those recommendations serve Ontario farmers well, and have been copied across Canada.

The presentation of the awards was made by Ginty Jocius, president, OAC Alumni Association. □

Art among the books

A number of art pieces from the University's art collection are on semi-permanent display in the University of Guelph Library.

Before the establishment of the Macdonald Stewart Art Centre, the main floor of the Library provided space for the University's art collection. In recent years, however, the area has been given over to the Student Gallery Club, not just for the display of their own art works, but also to provide practical experience in the organizing and management of exhibitions.

While much of the wall space on the main floor of the Library will continue to be used by the Student Gallery Club, protected walls will provide a home for works of art ranging from the traditionalism of A. Y. Jackson to contemporary non-representational pieces.

Bob Logan, Library, and Rob Freeman, Macdonald Stewart Art Centre, have surveyed the Library building and agreed on some 25 suitable sites. The first pieces in place are: "Green Centre" by R. C. Reginald Holmes, situated at the circulation point, main floor; "Untitled," a horizontal work by W. Ronald, in the reserve area bridge, main floor; "View of Campus Buildings" by A. Y. Jackson, at the information desk, main floor; "He Body's Up" by Charles Rolston, on the fifth floor art wall and a brass rubbing, located in the photocopy area, northeast corner, on the fourth floor. □



OAC people recently recognized on their retirements are, left to right, Professors Reg Shuel, Environmental Biology, Don Irvine, Food Science, and Henry Orr, Animal and Poultry Science.

Tricky business

It's difficult to predict participation rates

Future forecasting is a tricky business as any economist or fortune-teller knows. The Greeks and Romans examined the entrails of animals to foretell the future. The modern economist uses figures and sociological data, while the fortune-teller makes use of palm, tea leaves and crystal ball.

In a recent article looking at past and future university enrolments, economist and Dean of the College of Social Science, John Vanderkamp, points out that it is not entirely clear what forces shaped the pattern of university participation rates over the last three decades or what shape future rates will take. Like the future, the past is not simple to interpret.

The subject of future participation rates is an important concern for everyone interested in the future of the universities. Declines could result in reduced funding and a lack of turn-over in academic positions, and what one researcher describes as "sclerosis of the academic arteries."

Dean Vanderkamp points to some factors that lead to optimism on the future growth of participation rates. There is evidence that unusually high birth rates result in large numbers of eligible students, but declining numbers of actual students. The argument behind this theory suggests that the temporary supply shock may well upset markets for educated labor as earnings in the university-educated labor market are lowered, a hypothesis that seems to fit in with participation rates in the 1970s.

Since it is expected that the number of available students will decline during the next 15 years, it is possible that the result could be some increase in the participation rate, Dean Vanderkamp notes.

Another positive factor is the knowledge that no new channels for post-secondary education are expected to become available in the near future. The establishment of the community colleges did have an impact on lowering enrolments in the universities.

On the other hand, Dean Vanderkamp points out, there may be some truth in the conventional wisdom that high unemployment rates lead to greater university participation. If this is true, and the evidence is anything but conclusive here, improvements in the Canadian economy may lead to reduced participation rates. Also, the general pattern of government restraint may lead to real increases in tuition fees and a reduction of student aid. Recent developments in British Columbia may be a bellwether in this regard, he notes. "If the Bovey Commission recommendation for higher fees in Ontario is implemented, this will have some dampening effect on Ontario enrolment."

The major uncertainty in participation rates relates to technological growth. How quickly will technology develop and capital intensity increase? No one knows the answer

for sure, but Dean Vanderkamp suggests that if technological progress is rapid, participation rates may stabilize at recent levels or even increase.

Economic forecasters have a somewhat tidier system to work with than the entrails of a freshly-killed chicken, but the art of prediction is no simpler for them than their predecessors. The figures and sociological data continue to open doors to discussion and interpretation.□

Unhappy about copyright legislation?

Anyone on campus who feels that the current or proposed copyright legislation is unduly restrictive for teaching and research programs is urged to write to the Sub-Committee on the Revision of Copyright. The Ottawa group will be holding public hearings on all aspects of the revision of the Canadian Copyright Act, including the proposals in the White Paper, *From Gutenberg to Telidon*.

Submissions should be typed on 22 cm by 28 cm paper with margins of 2 cm by 3 cm. These must reach the committee by March 15. Send to: Clerk, Sub-Committee on the Revision of Copyright, House of Commons, Ottawa K1A 0A6.

Copies from *From Gutenberg to Telidon* are available in the Library.□

Art series to brighten March

"Art for Amateurs and Connoisseurs" an exploration of various art forms, is a lecture series being presented for the third consecutive year at the Macdonald Stewart Art Centre this March and April. The series is jointly presented by the Art Centre and the University's Continuing Education division.

This year, the six evenings of illustrated lectures and informal discussions focus on European art, North American art of the 19th and 20th centuries, folk art, Victoriana, native art, and town planning in the 18th century.

Moderated jointly by Fine Art professor Chandler Kirwin and Director of the Macdonald Stewart Art Centre, Judith Nasby, the series features guest lecturers. These include Katharine Lochnan, curator, Art Gallery of Ontario, speaking about the English painter, Whistler; folk art specialists, Michael Bird and Terry Kobayashi and, History professor Gilbert Stelter, discussing the original town plans for Guelph and Washington — and their unexpected relationship.

Course participants are encouraged to explore the Art Centre on lecture evenings. Exhibits of Canadian folk art; embroidery, bead and quill work by the women of Canada's Dene Nation, and, contemporary Canadian paintings, prints and sculptures will be shown at the gallery while the series is on.

Information, contact Continuing Education, Room 160, Johnston Hall, Ext. 3957.□

Summer jobs: Employers sought to hire students

Application forms for employers who wish to hire students through "Challenge '85," the federal government's \$205 million summer employment program for students, are now available.

The program is designed to provide career and learning related work this summer for young Canadians now in the educational system.

Unlike previous summer employment programs, "Challenge 85" promotes the idea of a wage subsidy available to employers. The largest segment of "Challenge 85" available to area employers is the SEED (Summer Employment Experience Development) program. First priority will be given to jobs that will provide career/study related experience and training. The private, municipal and non-profit sectors will be challenged to create additional openings for students to work at tasks that are clearly related to their course of study or career plans. These opportunities will be available to post-secondary students and secondary students enrolled in vocational programs.

The second priority will be given to

jobs providing practical work experience and learning. These assignments will provide students with the opportunity to gain work experience and prepare them for future labor market participation.

The SEED program is broken down into three categories: the private sector, municipal, and non-profit organizations. Private sector will have a 50 per cent wage subsidy available with a maximum level of \$3 per hour. Municipal projects are eligible for 75 per cent of provincial minimum wage and non-profit organizations are eligible for 100 per cent of the provincial minimum wage.

Application forms are available at the Employment Development Branch in Kitchener or the Canada Employment Centre for Students. Employers are urged to submit proposals early as these will be processed on a "first come, first serve" basis. All interested employers should contact Angela Sugden, supervisor, Canada Employment Centre for Students, Guelph. The Centre is located at 147 Wyndham St. N., Guelph, and Miss Sugden may be reached at 822-3150, Ext. 31.□

BRIEFLY

THE UNIVERSITY CENTRE is sponsoring a lecture by Dr. Henry Morgentaler, March 11, 8 p.m., War Memorial Hall. Admission is \$5.

Tickets may be purchased at the box office in the courtyard of the University Centre. Tickets are limited to 4 per person. Details: Bette Moreton, Ext. 3902.

A "PRIVACY OF STUDENT RECORDS Policy" (#GE.22.0) exists to ensure privacy and confidentiality of student records for use by University Departments and personnel handling student information.

Copies of the policy are available from the Office of the Provost, level 4, University Centre, Ext. 3868.

THE UNIVERSITY OF WINNIPEG and the Collegiate Division are planning the first University of Winnipeg "Homecoming Weekend" October 18, 19 and 20. Alumni members, their families and friends are invited. For information and registration forms: Eileen Burrows, Director of Alumni Affairs, University of Winnipeg, 515 Portage Ave., Winnipeg, Man. R3B 2E9, telephone: (1-204-786-9712).

THE UNIVERSITY OF SASKATCHEWAN is seeking a person for the position of Associate Vice-President (Research) and Dean of Graduate Studies.

THE TORONTO SPORTSMEN'S SHOW opens Friday, March 15 and continues until Sunday, March 24. Guelph is sponsoring the exhibit "Arctic Perspectives" which was developed by the College of Biological Science, the Office for Educational Practice and Information Services. Any students who would like to spend a day at the Sportsmen's Show and help out at the exhibit in return for free admission, transportation and lunch money, please contact: Leslea Dalrymple, Information Services, level 4, University Centre, Ext. 3358.

REGISTRATION for womens' slow-pitch is at Willow West Mall March 2, 10 a.m. to 6 p.m. This is a new recreational league for women 25 years and over. The registration fee is \$25. For more information, telephone 836-4699 after 5 p.m. Details: Betty Jeffrey, Central Printing and Duplicating, Ext. 3913.

JOB OPPORTUNITIES

Foreman/Woman, Building Mechanics and Machine Shop, Physical Resources, starting rate: \$540 per week. Open to on-campus employees only.

Salary Administrator, Personnel Department, salary range: \$22,284, minimum; \$28,530, mid-point; \$34,236, maximum; normal hiring range: \$22,284 - \$26,818.

Stenographer, Department of Clinical Studies, (small animal area), temporary full-time, February 28 to June 30, 1985, salary range: \$226.40 - \$262.63.

Supervisor, Ontario Institute of Pedology (OIP), Computer Laboratory (Guelph Agriculture Centre), contractually limited 3-year appointment, salary range: \$352.54 - \$407.70.

Facilities Planner, Planning Department, salary range: \$23,539, minimum; \$29,424, mid-point; \$35,308, maximum; normal hiring range: \$23,539 - \$27,659.

It is the University's policy to give prior consideration to on-campus applicants. To determine the availability of these or other University employment opportunities, contact Employment Services and Training, level 5, University Centre, or telephone 836-4900.

TICKETS ARE STILL AVAILABLE for the March 27 performance of "Zorba" at the Royal Alex, Toronto. Details: The University Centre's shuttle bus service, Ext. 3902.

CANADIAN STUDENT PUGWASH is seeking a national co-ordinator for a two-year term, beginning July/August. The national co-ordinator is the chief executive officer of Canadian Student Pugwash and is responsible for planning and co-ordination of a national conference; direction of a fund-raising campaign; formation and development of Student Pugwash chapters at Canadian universities; editing, publishing and distributing newsletters, conference proceedings, and reference material; disseminating information on issues related to science, public policy, and the social responsibilities of scientists, and, managing the national office in Ottawa.

Resumes should be sent to the National Office, 805-151 Slater St., Ottawa, Ottawa K1P 5H3 by March 12.

Canadian Student Pugwash is a non-profit and non-partisan, university-based, educational organization devoted to study and discussion of the social and ethical implications of science and technology. It was founded in 1979, and now ranks among the most dynamic student-run organizations in the country with 15 local chapters, a publishing program, an information service, and a conference program. Further information about the organization is available up request.

FEW OTHER COUNTRIES are celebrating the 300th anniversary of J. S. Bach more enthusiastically than Canada. And CBC Radio and CBC Stereo are joining Canada's two biggest Bach festivals to carry the party nationwide.

"Arts National" will provide coverage of the two gala opening concerts from Toronto's Bach 300 Festival, Friday, March 8, 8 p.m. on CBC Stereo. Two weeks later, when Edmonton's TriBach Festival opens, March 22, CBC Radio's "Mostly Music" will carry the event live beginning at 10:05 p.m. The performance will be repeated March 25, 10:05 a.m., on the Stereo network.

Many other concerts from both festivals will also be heard on "Arts National" as well as other CBC programs.

THE UNIVERSITY CENTRE and the CSA are sponsoring a candidate's debate March 6, 8 p.m., Room 103, University Centre. The debaters are students seeking the position of CSA president -- David Akin, Bruce Johnston, Jaye Robinson, Hazel Smith and Chris Vanderkip. Moderator is CSA president, John King. Admission is free, and there will be an opportunity for audience participation.

THE KLINCK LECTURE, sponsored by the Agricultural Institute of Canada, will be given by Animal and Poultry Science professor, Douglas Morrison, March 19, 8 p.m., at the Valhalla Inn, Kitchener. Dr. Morrison will speak on "The Role of Animals in a Sustained Agriculture." He will be introduced by Animal and Poultry Science professor, Dr. Roger Hacker. Admission is \$3.

THE UNIVERSITY CENTRE is sponsoring a debate on the resolution: "Resolved that Capital Punishment be Reinstated in Canada" March 12, 7:30 p.m., in Room 103, University Centre.

The affirmative will be argued by Ted Johnson, executive officer, Canadian Policy Association. The negative will be presented by Dr. Russell Legge, president, Canadian Council of Churches. Professor Tom Settle, Philosophy, will act as moderator.

Admission is free, there will be an audience participation period.

THE THURSDAY NOON CONCERT February 28 at 12:10 p.m. and 1:10 p.m. in Music Room 107, MacKinnon building features Douglas Stewart, flute, Christine Little, flute, Gerald Robinson, bassoon, and, Douglas Bodle, piano.

Program I will consist of "London Trio in C Major" by Haydn; "Das Fischermadchen" by Franz Schubert; "Sonata a Due in A Minor" by Antonio Vivaldi, and, "Andante and Rondo, Op. 25" by Franz Doppler. Program II will feature "Trio Sonata in G Major" by Bach; "Standchen" by Schubert; "Bachianas Brasileiras No. 6" by Villa-Lobos, and, "Quartet in D Minor" by George Philipp Telmann.

Admission is free and open to the public.

REPORT from SENATE

Motions to establish Information Technology Committees in each University College and School passed at last Tuesday's meeting of Senate, as did a motion directing the committees to develop plans on the uses of various aspects of information technology in teaching programs, research, outreach and administration. The first report of the committees are to be submitted to the Executive Director of Information Technology by May 1. The Executive Director, Margaret Beckman, will then report to the Committee for Information Technology.

Senate approved the membership of the new Liberal Education Advisory Committee which will reconsider the Executive Committee's recommendations for a Centre for Multidisciplinary Studies. The new committee will consult with the Office for Educational Practice and the Senate Committee on Educational Development as part of its mandate to participate in the development of multidisciplinary courses on this campus.

Ex-officio members are Chancellor W. A. Stewart, President Burt Matthews and Vice-President Academic, Howard Clark. Faculty members are Professors Sandy Middleton, Zoology; Barry Millman, Physics; Douglas Odgaard, Philosophy; Brian Wilcock, Pathology; James Shute, School of Agricultural Economics and Extension Education, and Family and Consumer Studies Dean Richard Barham. Student members are senators David Rox-Revett and Lynette Wright.

The following additions to graduate and associated graduate faculty were approved at Senate: Professor Tony Desmond joins graduate faculty in Mathematics and Statistics; Dr. John O'Sullivan of the Ontario Ministry of Agriculture and Food joins the associated graduate faculty of Horticultural Science; Professor Oswald Hall of the University of Toronto, the associated graduate faculty of Sociology and Anthropology, and Professor David Olson of the University of Western Ontario, the associated graduate faculty of Animal and Poultry Science.

Senate has approved the deletion of a regulation that forbade discussion of prospective candidates for honorary degrees. The change also applied to candidates for Professor Emeritus and Honorary Fellow of the University. Senators will now be able to debate the merits of candidates for any of these honors.

Next Week at Guelph

THURSDAY, 85 02 28

Open House - Women's Resource Centre, UC228, All welcome.
Our World - PLANNING MEETING, 11.30 a.m., UC 334.
Worship - CATHOLIC SHARED PRAYER, 5.10 pm, chapel, UC level 5;
CATHOLIC COMMUNITY DROP-IN, 6 pm, UC335.
Apiculture Club - HISTORY OF APICULTURE AT OAC, P.W. Burke,
5.10 pm, Graham Hall 200.
Concert - YORK WINDS, 12.10 & 1.10 pm, Mack107.
Health - ALCOHOLICS ANONYMOUS, 5.15 pm, Medical Services allergy
room.
Drama - THE EFFECT OF GAMMA RAYS ON MAN-IN-THE-MOON
MARIGOLDS, 8 pm, Inner Stage. Tickets at UC box office.

FRIDAY, 85 03 01

Worship - CATHOLIC MASS, 8.10 am, chapel, UC level 5;
Instructional Development - EVALUATING STUDENT LEARNING,
1 pm, Ext.3522 to register.
CHINESE CHRISTIAN FELLOWSHIP, 7 pm, MackK117A.
Audubon Films - ENCOUNTERS OF THE FLORAL KIND and
WILDLIFE IN THE GREAT SALT DESERT OR IRAN, 8 pm, WMH, \$3.50.
Drama - THE EFFECT OF GAMMA RAYS ON MAN-IN-THE-MOON
MARIGOLDS, 8 pm, Inner Stage, tickets at UC box office.

SATURDAY, 85 03 02

Field Naturalists - ANNUAL ROBIN HIKE, 9 am, OVC parking lot.
Continuing Education - SOIL MANAGEMENT AND COMPOSITION
FOR HOME GARDENERS, 9.30 am, R.Wukasch, Crop Science 117.
Drama - THE EFFECT OF GAMMA RAYS ON MAN-IN-THE-MOON
MARIGOLDS, 8 pm, Inner Stage, tickets at UC box office.

SUNDAY, 85 03 03

Worship - ANGLICAN-UNITED ECUMENICAL SERVICE, 10.30 am,
MackK108; CATHOLIC MASS, 10 am, PCH; BIBLE STUDIES CHURCH
SERVICE, 10.15 am, PS105.
CCASP - RE-THINKING THE PROBLEM OF EQUAL OPPORTUNITY
and CLONING AND MANIPULATING CELLULOSE
GENES, 1.30 pm, UC441.
Nature Walk - BACKYARD MAPLE SYRUP, 2.00 to 4.00 pm, JCTNC.
Sunday Nite Motion Pictures - POPE OF GREENWICH VILLAGE, 7.30 pm,
WMH.
International Cinema - THE FOURTH MAN, 6 & 8 pm, PS105.

MONDAY, 85 03 04

HEALTH FAIR '85 - 10 a.m - 4 pm, UC Courtyard.
Worship - CATHOLIC MASS, 5.10 pm, chapel, UC level 5.
Ethics and the University - TEACHING AND LEARNING, 12.10, UC442.

TUESDAY, 85 03 05

Instructional Development - THE THREE HOUR CLASS,
9 am, Ext 3522 to register.
HEALTH FAIR '85 - 10 am, to 4 pm, UC courtyard.
Our World - CULTURAL DIVERSITY IN AFRICA,
12.10 pm, UC442.
Women's Resource Centre Film Series - BENEATH THE VEIL,
12.10 pm, UC335.
Nutrition Seminar - MOLECULAR APPROACHES TO
STUDYING CONTROL OF CELL PROLIFERATION,
Dr G.Stein, 3.10 pm, ANNU306.
Worship - CATHOLIC MASS, 5.10 pm, chapel, level 5 UC.
Writing Centre - WRITING ASSISTANCE, 5.30 to 9 pm, Lib359.
- WRITING AN EFFECTIVE ESSAY, 5.30 pm, Lib Orientation Room.

WEDNESDAY, 85 03 06

Worship - ANGLICAN EUCHARIST, 12.10 pm, chapel, level 5, UC.
Brown Bag Series for Mature Students - ESSAY AND REPORT WRITING,
12.10 pm, OTAS Lounge, UC Level 5.
Writing Centre - WRITING ASSISTANCE, 5.30 to 9.00 pm, Lib 359.
Horseman's Club - MEET HUGH GRAHAM, 7.30 pm, OVC 508.
Theology from Experience - PREPARING FOR MINISTRY IN THE 80s.
Fr. Robt Croaken, S.J. 7.30 pm, UC335. Fr. Charles Cameron, 7:30 pm,
UC335.
UC Debates - CSA PRESIDENTIAL CANDIDATE'S DEBATE, 8 p.m., UC103.
Hockey - OUAA Finals, through Sunday, Mem Gardens.

THURSDAY, 85 03 07

Stress Workshop - 1 to 3 pm, Register at the Connection Desk,
Level 3 UC by 11.30 am.
Concert - AGAUDDO GUITAR DUO, 12.10 and 1.10 pm, MackK107.
Staff Development - BACK CARE, A TOTAL PROGRAM,
1.15 to 3.15 pm, UC103, Register Ext at 3058 or 3059.
Apiculture Club - SYSTEMIC INSECTICIDES, Art Davis, 5.10 pm, Gra-
ham Hall 200.
Health - ALCOHOLICS ANONYMOUS, 5.15 pm, Medical Centre allergy
room.
A Planet For The Taking Series - THE ULTIMATE SLAVERY,
Continuing Education sponsored discussion, 8 pm, HAFA 311.

The following abbreviations are used in "Next Week at Guelph": APS = Animal and Poultry Science; UC = University Centre; L/A = Lennox/Addington; CM = Chemistry Microbiology; PS = Physical Science; PCH = Peter Clark Hall; WMH = War Memorial Hall; MacK = MacKinnon building; ANNU = Animal Science Nutrition; SAEED = School of Agricultural Economics and Extension Education; FS = Food Science; CSRC = Counselling and Student Resource Centre; JH = Johnston Hall; HB = Human Biology; AC = Athletics Centre; Lib = McLaughlin Library.

PERSONALS

For Sale: 15 gal aquarium complete, Fender Copy bass guitar, hard case, 25 watt bass amp, 1979 Honda Hawk 400cc motorcycle, 836-9245; 1984 Honda Accord like new, one owner, 836-9706; 4 bedrm older home in University area, large lot, 823-2096. Commodore 802 printer, new, 822-3556; Pr Rossignol downhill skis w/Look bindings and Nordika boots and poles, good, Joe, 822-5722; 2 china cabinets, walnut cabinet AM/FM stereo, Speed Queen washer/dryer, kitchen table and 4 chairs, China fur jacket, dehumidifier, TV, 2 vacuums, lamps, chairs, tables, picnic table & benches and more, until March 9, Joanna, 2244; Software for IBM PC/compatibles and Apples, excellent prices, 836-2711; Two pairs children's downhill skis and boots, Ron, 3649; Jerrold 400 TV converter, 3094 or 836-6104 evenings.

Wanted: Low bed garden equipment trailer, 12-16 hp garden tractor with 36"-42" mower, 836-9245; Three tractor inner tubes for cottage swimming, 658-9938 after 6 pm; Super 8 / Regular 8 movie projector, Maureen, 2248. 15-17 cu ft refrigerator and 30" range, 5 years or newer, in excellent shape, Tara, 824-0676 evenings.
Available: Word processing, theses, resumes & term papers, good turnaround, 836-2711.

For Rent: Room to sublet March and April with option to renew starting May, close to campus, inexpensive, 824-053 evenings; Sublet, 2 bedrm apt, \$444 per mo, May 1 to Sept 1 w/option to renew. 823-8302 evening; 1 bedrm apt, April 1, close to University, \$275 mo, Gary, 824-9050, Ext 30.

Lost: One Steel arch support w/leather covering, near Arena, Dec 30, Lorraine, 823-1297, Ext 3244.

Postage Paid-In-Cash at First Class Rates Permit 1149, Guelph, Ontario N1G 2W1

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