

THE TIMES

SAINT MARY'S UNIVERSITY

HALIFAX, NOVA SCOTIA

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"Formidable questions arise and it is not clear where we should seek the answers. Indeed . . . there may not be a solution in the language of science."

SIR BERNARD LOVELL

The visit of Sir Bernard Lovell, Director of the Nuffield Radio Astronomy Laboratories, to Saint Mary's University on October 17 was a major event of the 175th Anniversary Year. Following are excerpts from his address on "The Nature of the Universe." A copy of the complete text may be obtained from the Public Relations Office.

There are indeed deep problems concerned with the presence of man in the universe, which envelop the localized problem of the emergence of life on earth, and the description of the early stages of the expansion of the universe in terms of nuclear physics—and *relativity* is *not* an explanation of these conditions.

Formidable questions arise and it is not clear where we should seek the answers. Indeed, even the scientific description of these queries produces a remarkable answer that there may not be a solution in the language of science.

May I just mention one of the difficulties: *Why is the universe expanding? Further, why is it expanding at so near the critical rate to prevent its collapse?* Now, this query is a most important one, because even minor differences in the rate of the expansion near the zero of time, would have made it impossible for us to be here tonight. When the universe was one second from the beginning of the expansion, *if* the rate of expansion had been reduced by only one part in a thousand billion, then the universe would have collapsed after a few million years.

Can it really be that out of all the possible universes, the only one which can exist—in the sense that it can be known—is simply the one which satisfies the narrow conditions necessary for the development of intelligent life?

. . . Is the universe as it is because it was necessary to the existence of man? Is there a false logic in the argument, or are the basic axioms of our mathematics and physics wrong?

We start from the knowledge of our existence on earth. Over several millenia, especially the last 400 years of earth time, we've established the scientific knowledge of the natural world which enables us to comprehend the universe on the cosmical scale, that is, over scales of time and distance which are difficult, but not impossible, to understand in terrestrial terms.

We reach two conclusions.

The first is that these processes of comprehension lead to an exotic, almost bizarre circumstance near time zero, where neither logic nor physical concepts, but only the infiniteness and infinitesimals of mathematics apply.

To explain as some do, that the universe began with a hot, big bang is a nonsensical colloquialism. It is, as Newton wrote nearly 300 years ago, an occult specific quality telling us nothing.

The second conclusion is that our comprehension leads to a scientific description of an evolving and expanding universe. The mathematics and the physics enclose a variety of such expanding universes, but our measurements narrowly define *one* such universe which had to be that *particular* universe if it was ever to be known and comprehended by an intelligent being.

These seem to be the extraordinary and impossible conclusions of contemporary scientific investigation of the universe, and it is hardly surprising that many eminent mathematicians and cosmologists are today examining the fundamental mathematical and physical assumptions on which these projections are based.

The theories, the doubts and prejudices fade only when there can be a confrontation with measurement and observation, and today it seems unlikely that there ever can be such a confrontation within the epochs of space-time where the possibility of man's existence in the universe was determined.



Sir Bernard Lovell

. . . In all the sciences there are hosts of unsolved problems, and it is the essence of the faith of the professional scientists that solutions and answers can be found by applications of scientific method and technique. In many cases, the faith will be justified, but it is the strange feature of our age that in some of the vital investigations concerned with the fundamental issues of the existence of the universe, and of man's place and comprehension of the cosmos, we appear to be penetrating to a greater darkness.

I know that this is dangerous ground for a professional scientist. Another Copernicus, another Newton or Einstein may emerge from our ranks and much that now seems obscure and impenetrable may be revealed as simple consequences of a revolutionary concept.

However, it is the essence of some of the difficulties I have described tonight that whatever the nature of such intellectual revolutions, it seems that basic obscurities will remain *because* they are inherent in the universe.

Anxiety and hope have been the eternal and entwined emotions of mankind. Always man has existed where the grounds for anxiety have been generated by the evil and destructive aspects of materialistic forces, delicately balanced by the hope emerging from the intellectual search for knowledge and the transcendental elements of existence. Always the danger has been that those forces leading to anxiety would triumph.

Hope has no reality divorced from anxiety, and neither can man search for knowledge without generating also the potential for evil. Our crisis has been very deep because the science which produced the rocket enabling us to place men on the moon and cameras on the planets, also enabled us to use the same rocket to kill a million people. It's a crisis which has been exacerbated by the belief that modern science could be all powerful, not only in material pursuits, but also in the pursuit of understanding.

Our hope today resides in the evidence that science is neither materially nor intellectually supreme, and that the urgent search for a new synthesis of knowledge and understanding, last achieved by Thomas Aquinas 800 years ago, will succeed.

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Editor — Corinne Noonan.

The TIMES



POSTES CANADA POSTAGE

NO. 711

Halifax, N.S.

NEW PRESIDENT AT MOUNT ST. VINCENT

Mount St. Vincent University has announced the appointment of a new president to take office July 1, 1978. She is Dr. E. Margaret Fulton, currently Dean of Women at the University of British Columbia, and an associate professor in the faculty of education.

Dr. Fulton received her doctorate from the University of Toronto, and has been a member of the faculty at Wilfrid Laurier University, the University of Toronto, and York University.

Instrumental in forming a women's academic association at UBC, and in organizing a number of programs to improve the position of women at the University, Dr. Fulton has also worked in the area of applied science to interest more women in engineering and to change the image of engineering students. As Dean of Women she has been closely involved with undergraduate associations and has assisted women students in forming a strong women's committee at UBC. Her academic expertise is in Victorian and Canadian literature and women's studies focusing on women in literature.

AAU EXECUTIVE ELECTED

Rev. Malcolm MacDonell, President of St. Francis Xavier University, was elected chairman of the Association of Atlantic Universities at its October meeting. He succeeds Professor R.J. Baker, President of the University of Prince Edward Island.

Dr. John Anderson, President of the University of New Brunswick, was elected vice-chairman.

Dr. Owen Carrigan, President of Saint Mary's University, was elected to the seven-member executive committee.

GRAPHICS EXHIBIT AT ART GALLERY

Hundertwasser's Graphics from the Viennese Albertina Collection will be on display at the Art Gallery until December 3, 1977. It is the Gallery's final contribution celebrating the 175th year of the University's founding. Contracted by Mr. Robert Dietz during his last European trip, this exhibition will be circulated for one year by the Art Gallery of Ontario.

One of the most prominent figures of the contemporary art scene, Friedensreich Hundertwasser is a painter of international rank; a nonobjective artist whose highly individual, decorative abstract style is closely related to the ideas of ornamentalism around 1900.

An outstanding and most frequently occurring formal motif in his compositions is the colour spiral, which curling inward and outward at the same time, conveys a sensation of dual movement.

In addition to painting, Hundertwasser's engagement embraces nearly all problems of organization and realization of modern life. Beyond his artistic contribution in designing wall decor, tapestries and architectural models, he is a leading creative force in shaping the fundamental features of our time.

RESEARCH GRANT AWARDED

Dr. Joseph Jabbara, Associate Professor and Chairman of Political Science at Saint Mary's University, and Dr. Nancy W. Jabbara, Assistant Professor of Sociology and Social Anthropology at Dalhousie University, have been awarded a research grant of \$15,000 from the Department of Secretary of State for a study of Lebanese and Syrians in Nova Scotia. The cultural, social, and economic structure of this ethnic group will be studied, together with the processes of migration to Canada, maintenance of ethnic identity, and assimilation into Canadian society.

Four major data collecting techniques will be used; participant observation, key informant interviewing, collection of documentary materials, and an interview survey. The research design requires that information be collected not only in Halifax and Dartmouth, but also in other communities, large and small, throughout the province. The project will take two years to complete. The Drs. Jabbara have previously done research in both Nova Scotia and Lebanon.

THE SCHOLARS RETURN—NOVEMBER 23



The Scholars: Elaine Barry, soprano; Nigel Dixon, counter tenor; Robin Doveton, tenor; Michael Leighton Jones, baritone; David Van Asch, bass.

As the final event of the 175th Anniversary Year Concert Series, Saint Mary's University will present The Scholars at the Theatre Auditorium, Wednesday, November 23, at 8:30 p.m.

The master choral group made its North American debut at Saint Mary's University two years ago and later performed in major cities in the United States.

Since their first concert in 1969, The Scholars have established a reputation as one of Europe's foremost vocal ensembles. Through the media of concerts, radio, television and recordings, they have attracted an enviable following.

Their unique sound consists of five finely balanced voices. Dedicated teamwork has produced a perfect blend without sacrificing the quality of the individual voices.

Originally consisting of male voices only, the ensemble took its name from the fact that each singer had been a choral scholar in the world famous choir of King's College, Cambridge. In 1972, the Scholars decided to expand and develop their repertoire by introducing a female voice for the first time. The group's repertoire now covers some five hundred years of European vocal music, and includes medieval music, both sacred and secular, madrigals, glees, folk songs, spirituals and their own particular brand of close harmony and vocal jazz.

The Scholars are actively involved in the commissioning of new music and have had two operas and several other important works written especially for them by prominent British composers.

The versatility of The Scholars and their infectious enjoyment of all they sing makes their concerts thoroughly enjoyable.

Their rare talent has been acclaimed by critics in more than a dozen countries. Some of their comments follow.

"Immaculate is the word that comes to mind at every turn in the work of The Scholars."
(The Guardian)

"Brilliant vocal ensemble—debonair, polished, witty and above all brilliantly educated musicians. The Scholars are a must for the music lover."
(The Western Australian)

"The singing is marvellously polished, the ensemble impeccable, the words clear, the tone quality smooth as velvet."
(Gramophone)

"... smooth blend, lively rhythm, faultless diction. They well deserve their success."
(The Financial Times, London)

"By the perfect mastery of technique and their sensitivity to one another, The Scholars seem to 'breathe' music."
(La Libre Belgique, Belgium)

"Superb. That exactly describes the artistry of The Scholars."
(The Mail Star, Halifax, Nova Scotia)

"They are truly a marvelous group of singers and a complete joy to listen to. If you ever have a chance to hear them, don't miss it."
(Richmond News Leader, Virginia)

"It doesn't sound like singing - it sounds like music."
(Beverly Bennett, aged 6)

175th Anniversary Concert Series

THE SCHOLARS

Choral Ensemble from England

8:30 p.m., Wednesday, November 23, 1977

Theatre Auditorium - McNally Building
Saint Mary's University

Admission \$4.00 . . . Students \$2.00 . . . Sr. Citizens \$1.00

Tickets are available at Saint Mary's University Switchboard, Dalhousie University Box Office, and at the door of the Auditorium the evening of performance.

EXEMPTIONS NEGOTIATED FROM NEW IMMIGRATION RULES

Discussions held in June between AUCC representatives and officials of the Department of Manpower and Immigration have clarified several problem areas concerning immigration procedures as they apply to the hiring of foreign academics. 1) Teaching assistants enrolled in graduate programs and post-doctoral students are exempt, as are external examiners and program evaluators. 2) Summer school instructors do not qualify for exemption under the visiting professor category. 3) Landed immigrants taking sabbaticals of more than six months must declare their intention to return to their Canadian teaching posts to ensure retention of immigration status. 4) Term appointments made to replace permanent staff members are allowed up to two visa renewals before reapplication of the immigration procedures.

In a general plan to improve the communication mechanism between AUCC and the department, representatives will be appointed in the regional immigration offices to deal specifically with university appointments and a contact person will be named in each institution to deal with the department on immigration matters. In addition, immigration officials agreed to deal pragmatically with individual problem cases.



Dean of Education, Dr. Michael MacMillan, with Eleanor MacDonald, Gus Baker, Rosanne O'Keefe and Jim Ludlow at reception for teachers and student teachers participating in the Saint Mary's University Education Program.

TEACHING—A LEARNING EXPERIENCE

Jill Ceceoline is a 1977 B.A. graduate of Dalhousie University, who majored in English. Her practice teaching assignment is at a Coordinated Education Centre, where she is teaching English and reading.

"The Centre is not a regular structured school," Jill explains. "It's located in a non-school building, and has a staff of 3, and 21 students. The children's ages are from 12 to 16, and their basic skills are in the range of grades 7 to 10.

"Some of the students," she continues, "have low basic skills. Most of them are bright, but, for various reasons, have been unable to cope in a regular school setting. Some have been suspended by regular schools, some have home problems, some have been in family court.

"They have a very negative attitude toward themselves, adults and the community. It's important to establish a relationship with them, to have them accept and trust you."

Jill explains that in addition to the opportunity for academic development through mathematics and English, the Centre places equal emphasis on the social and emotional development of the students through work experience, community studies, recreation, crafts and special courses.

Asked to describe how she felt when she received her assignment to the Centre, Jill says, "I was scared—I didn't know if I was ready to handle this type of assignment. However, after the first few days I was so happy. I love the kids, I find them exciting and working with small groups of 6-10, I'm able to give them individual attention. They are very open and are anxious to discuss their problems—even about sex or drugs. At the Centre there is good communication between the students and the staff. The children seem to treat the people on staff more as friends than teachers. There is a warm, relaxed atmosphere at the Centre, and the children themselves have great pride in it."

Jill had had no previous experience in working with children such as those at the Centre, but now, she says, if she had her choice she thinks she would like to specialize in teaching 'special' children. However, she is also anxious to have the experience of working in a structured school system.

"My childhood dream," Jill says, "was to be a teacher. This past week has been like a dream come true. It's exciting when you are successful in motivating the children and to hear their answers. It's very satisfying to apply what I've learned in class in my own teaching experience.

"When I entered the B.Ed. program, I was apprehensive about my qualifications and I'm feeling much more confident now. My head is swarming with ideas and I dream of the day when I will have my own class."

Jill is concerned about the future as far as a teaching position is concerned. Although her home is in New York, she would like to find a job teaching in Nova Scotia. If not, she is willing to go wherever a teaching assignment is available. She is sure of one thing, a career in the field of education is her goal.

JILL CECEOLINE
LORI FAWCETT
ROSANNE O'KEEFE

Three SMU students discuss
their first practice teaching
assignment.

Lori Fawcett, met her first teaching challenge in students of grades 7, 8 and 9. After her first week as a student-teacher, her great enthusiasm and determination were undiminished.

The approach she chose in dealing with her new students was to be straight-forward, aggressive, and demanding. "I was nervous, but didn't let it show. I explained that I had full authority and would not hesitate to use it, and apparently the class agitators were convinced. I also told them that this teaching assignment was part of my own education and that I would be marked on it; it could be an enjoyable experience for all of us, or a miserable one, depending on their attitude. After an initial response of puzzlement, they were cooperative and attentive."

Lori Fawcett's specialty area is reading, and she teaches students with special problems through oral reading exercises and developmental drama, selecting plays on social themes with which they can identify.

"Although they hate comprehensive reading, they like reading plays. We discuss their meaning, and they retain it. I suppose they relate to the characters more readily as a result of watching role models on television."

Remembering the special difficulties of adolescence, Lori says she has a great deal of empathy with her young pupils.

"They're really a good group and I find I can communicate with them. We've created a controlled, pleasant, workable atmosphere and I think we'll learn from each other in the next few weeks. I think it will be a really good experience."

Jill is unable to conceal her enthusiasm and excitement after her first week as a 'teacher'. "One of my fondest memories of this week," she says, "is kind of silly, I suppose, but it gave me much pleasure. One of the young boys came up to me at the end of the morning and said, 'If I had the cash I'd take you to MacDonald's for lunch.' It kind of warmed my heart."

Rosanne O'Keefe is an Asian Studies and history major who graduated from Saint Mary's last spring. The following interview took place after her first week at the front of the classroom.

"How did you approach your first day as a teacher?"

"Cautiously. I had been warned that many of the students in my general class are in school only because they have to be, and that they would have no interest whatever in what I had to say."

"That must have been a little disconcerting."

"Not really. I find a challenge in trying to arouse their interest, and feel some satisfaction when I'm successful. It was difficult at first to keep them quiet, but I'm teaching Chinese history and they seem to be especially interested in anything about China. I guess I'm fortunate to be teaching a subject that is controversial and currently newsworthy."

"What about discipline?"

"There isn't much among these students. Their attendance record is very poor, and generally they have an 'I-don't-care' attitude."

"How does that realization affect a new teacher?"

"I think most of us accept that every class we teach will have a share of students who don't care. We just have to find a way to interest them . . . to ask the kind of questions to which they'll respond, or show slides or films that might stir their curiosity. We have to find a way to make them start to think."

"Does this apply more to some grades or ages than to others?"

"Yes. These are mostly the general grade X and XI students—and some of them are bright. They're just too lazy to think."

"Do they do homework?"

"They say they do—but a few questions will indicate that if they have done a reading assignment, they don't understand what they've read."

"What then?"

"We simply review it again—and again, if necessary."

"Obviously patience is a required virtue in a good teacher."

"Yes. I'd say teaching effectively calls for a lot of patience."

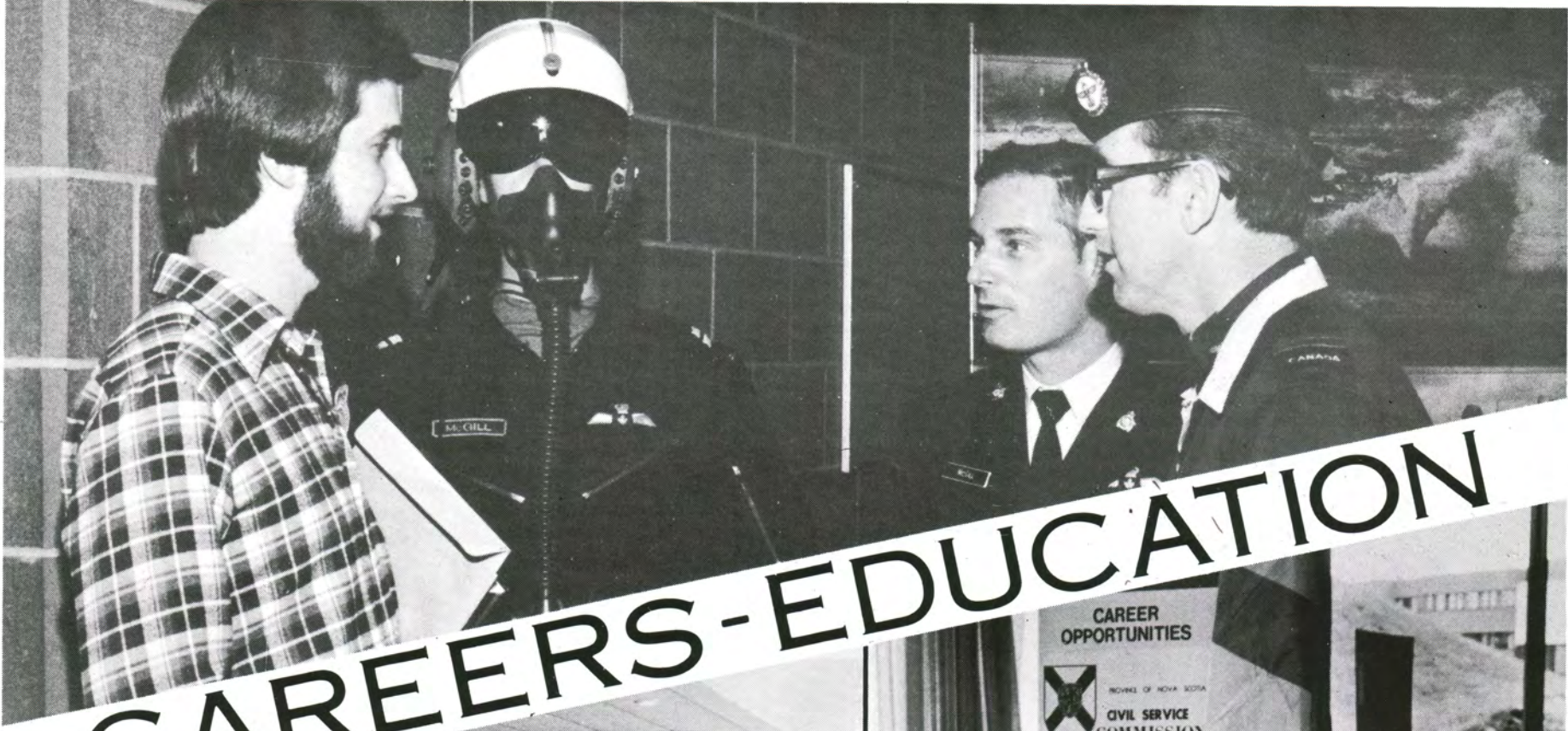
"We've been discussing students in the general program mostly. What about those who intend to go on to further education and have selected their plan for the future?"

"The academic classes are quite different. There's a greater degree of interest and involvement. It's quite exciting to teach them."

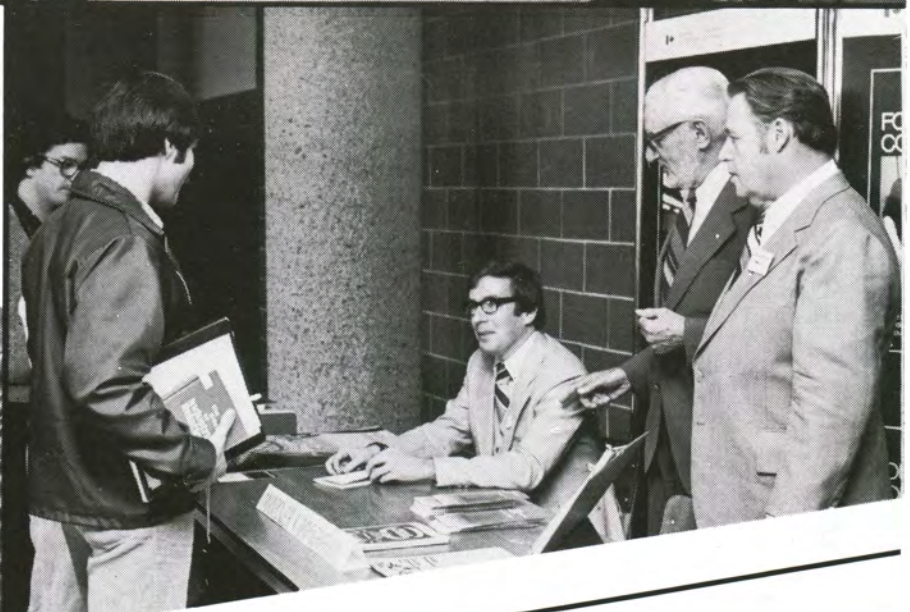
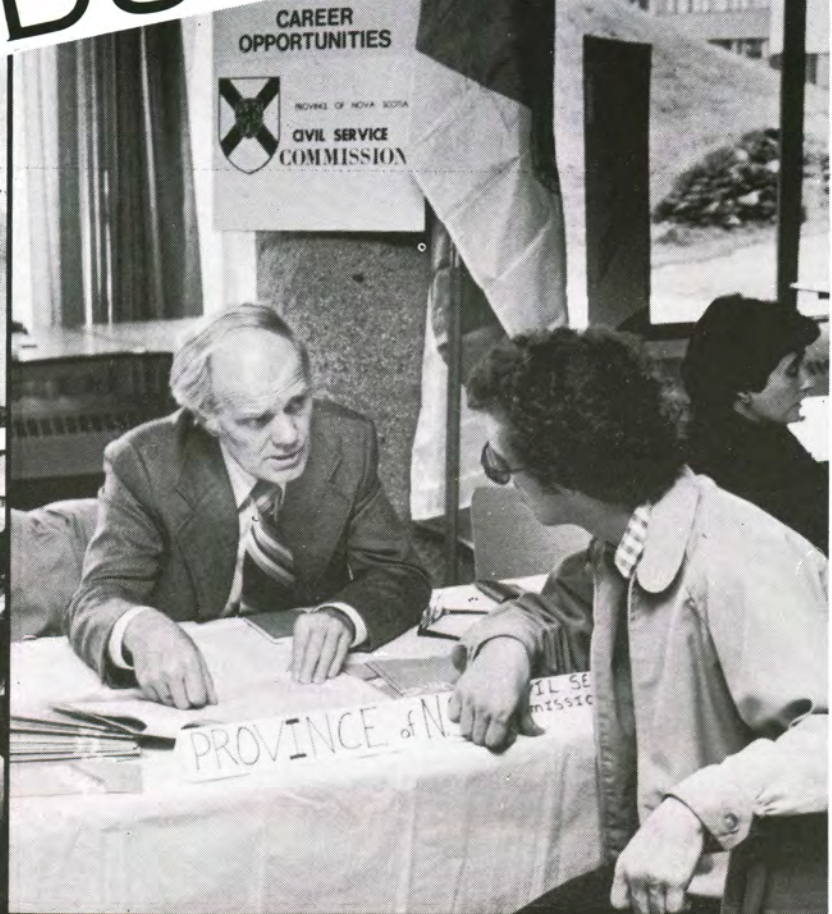
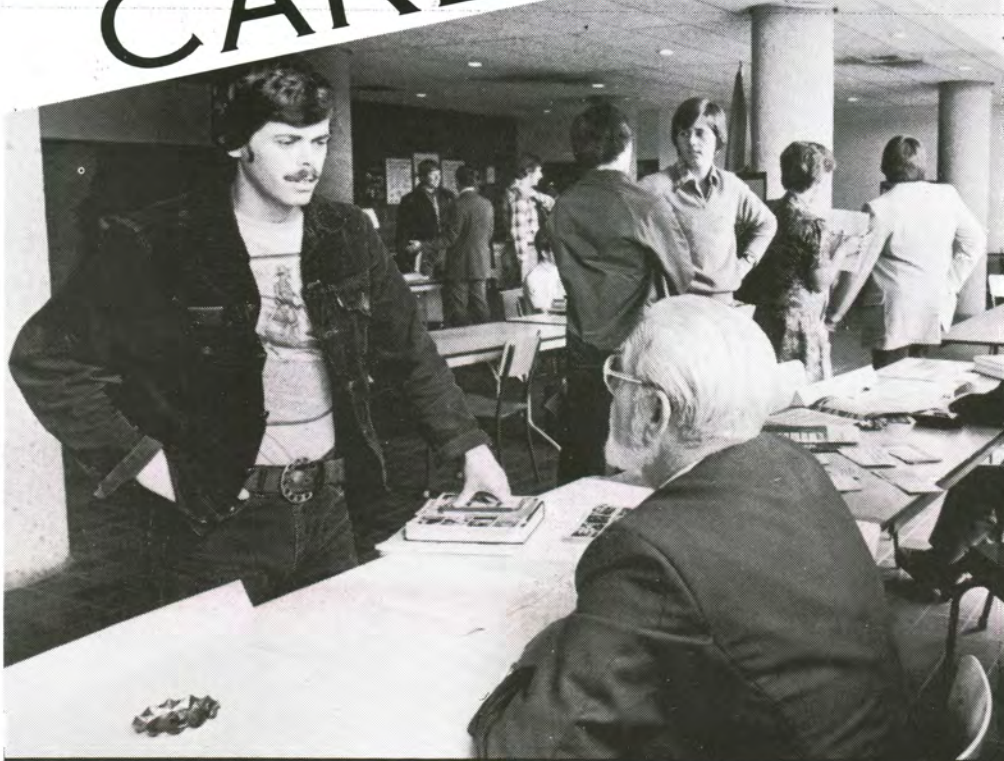
"So you're not discouraged after your first teaching experience?"

"No. I'm finding it quite satisfying. I think I've made the right decision. This is what I want to do."

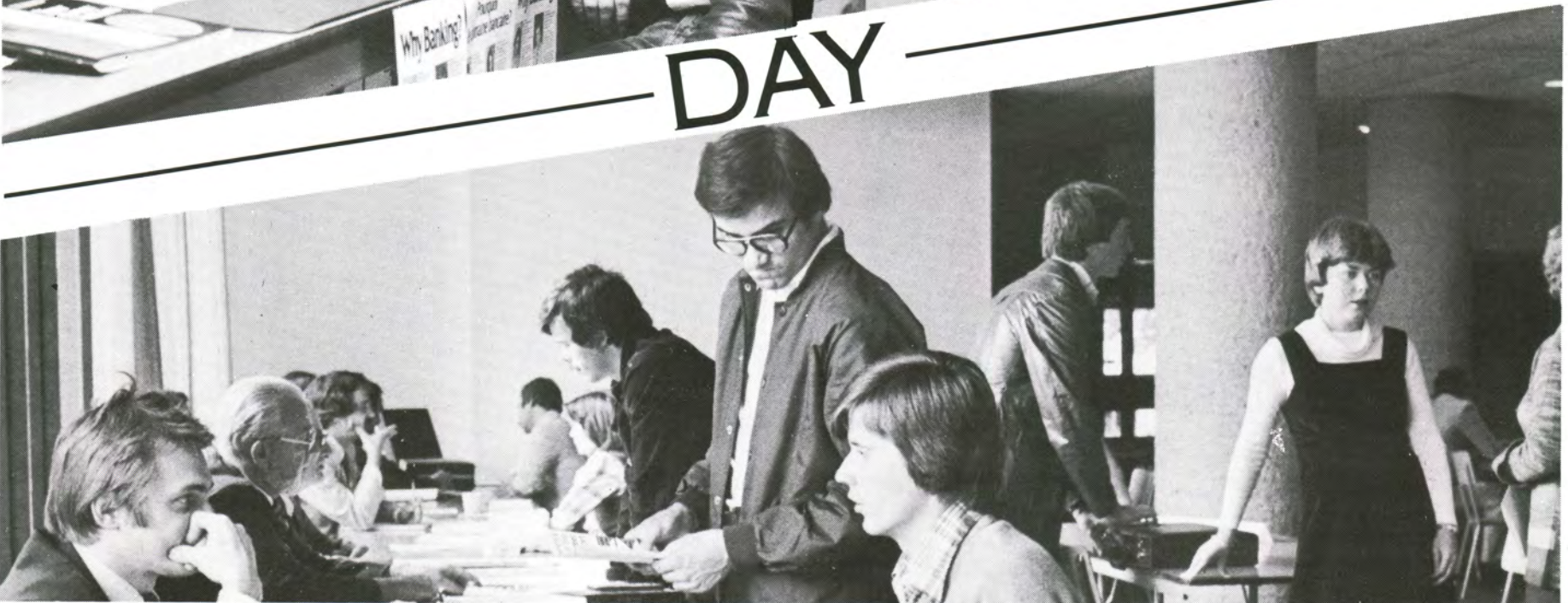
Rosanne O'Keefe was one of the students who visited China in 1976 with Dr. Mary Sun's class. She plans to specialize in teaching Asian Studies.



CAREERS-EDUCATION



DAY



STUDENTS AND EMPLOYERS GET TOGETHER

Careers-Education Day, October 14, provided an opportunity for students to discuss career plans on a person-to-person basis with authorities in their particular area of interest.

Arranged as a feature of the 175th Anniversary Year, the event was co-sponsored by Canada Manpower Centre on Campus and the SMU Branch of AIESEC—International Association for Students of Economics and Commerce.

A large number of students took advantage of the occasion to make the first contact with a possible future employer, and to check the education qualifications required to enter into the career they intend to pursue.

John Rodgers, Counsellor-in-Charge of Canada Manpower on Campus, coordinated the event and expressed satisfaction with student response.

"They seemed appreciative of this chance to per-

sonally talk with people in the field."

Discussing the employment situation as it affects SMU students, Mr. Rodgers noted that Commerce graduates are currently in greatest demand and the most likely graduates to find immediate employment. "Arts students," he said, "are finding it harder to get into professional positions with a B.A. degree. Some will have to continue their studies, probably to the honors or doctorate level, before they can be launched in the career of their choice. They should begin now therefore to explore all job openings available to the Arts graduates, and not wait until after they graduate."

The Manpower counsellor is not optimistic about employment opportunities for education graduates this year. He pointed out that only 65% of the students who graduated from Saint Mary's last year found teaching positions, and many of those were outside of Nova Scotia.

"Science students," he said, "are finding it particularly difficult to find employment in areas related to their studies. This is largely because science oriented positions are basically limited to those in government or in government sponsored institutions. Budget restrictions have reduced hirings by all government departments."

Mr. Rodgers stated that in the present difficult employment situation, applicants with a university degree are still more likely to be accepted by employers than those without that extra education.

He expressed the hope that the Career-Education Day may become an annual event. Many of those taking part were enthusiastic about the opportunity it provided for student-employer liaison. Participants included 30 representatives of 17 different careers.

TRUST & MORTGAGES
Canada Permanent Trust Company

INSURANCE
Great West Life Assurance Company
London Life Insurance Company

POLICE
Royal Canadian Mounted Police

NURSING / HEALTH
Registered Nurses Association of Nova Scotia

TRAINING
Department of Manpower & Immigration

EDUCATION
Saint Mary's University M.B.A. Program

RETAIL STORES
Simpsons-Sears Limited
Dominion Stores
Kresges-Kmart Limited

FINANCIAL
Atlantic Association of Chartered Accountants
Royal Bank of Canada
Bank of Montreal
Dunn & Bradstreet
Wood Gundy

WORK / TRAVEL
Katimavik

ENGINEERING
Association of Professional Engineers

COMMUNICATIONS & TRANSPORTATION
Maritime Telegraph & Telephone Company
Air Canada

LAW
Nova Scotia Barristers Society

TECHNOLOGY & TRADES
Nova Scotia Institute of Technology

SALES
Burroughs Business Machines

ARMED SERVICES
Canadian Forces Officers Program

OVERSEAS ORGANIZATIONS
C.U.S.O.
Canada World Youth
A.I.E.S.E.C.

GOVERNMENTS AND DEPARTMENTS
Province of Nova Scotia
Federal Government
Atmospheric Environment Service
Revenue Canada (Taxation)



Saint Mary's Branch of the International Association for Students of Economics and Commerce co-sponsored Careers Education Day. AIESEC members particularly active in organizing activities are shown above: David Heinze, Susan Helpard, Denise Arsenault, Miriam Stephenson and Eileen Dooley.

Businessmen James Harriman of The Bank of Montreal and Anthony H. Cardwell of Burrough's Business Machines Ltd. are pictured with John Rodgers, Counsellor in Charge of Canada Manpower Centre on Campus.

Saint Mary's Winners

by Debi Woodford

Four years ago, Saint Mary's University Women's Field Hockey moved up to varsity level competition after an undefeated season in the J.V. league. Head Coach Kathy Mullane began to build a program comparable to the "winning tradition" with which the men's teams were associated and now, four years later, the Belles have emerged as the A.U.A.A. Champions.

Finishing the regular schedule in second place behind Dalhousie Tigerettes, the Belles entered the playoffs with a lot of confidence and desire, and managed to knock off the University of New Brunswick Red Sticks 2-0 in first round action Saturday, October 29th. The following championship match, versus Dalhousie, the defending Atlantic and National Champions, was a hard fought, thrilling battle which could have gone into overtime if not for Joan Selig's goal on a penalty shot late in the game. That gave the Belles a 1-0 victory and the A.U.A.A. crown.

A few new faces in this year's lineup gave the Santamarians solidity in areas which were previously weak. Canada Games goalie Sherry Conrad made a tremendous difference in the nets with her aggressive style of play. Earning nine shutouts in twelve games, Sherry could justifiably be nicknamed "Zero Lady." Canadian team member Joan Selig gave experience and expertise to the Belles, and finished the year as the eastern conference's leading scorer, and with a berth on the all-star team. Rookie Monica MacKenzie added speed and agility to the club, and freshmen Cindy Norton, Dianne Chiasson, Judy Power, Kathy Ells, and Martha Hayes added their skill to the successful 1977 campaign. A tough competitor, first year player Susan Kober was sidelined early in the season with a knee injury but could always be found on the bench cheering her teammates on to victory.

With the A.U.A.A. Title conquered, the team at press time is preparing for the Nationals at McGill University in Montreal.

ATHLETICS EXPANDED AT MOUNT ALLISON

Mount Allison University has added a new dimension to its Department of Physical Recreation and Athletics with the appointment of Garney Henley as Director of Athletics.

Henley was formerly basketball and football coach at the University of Guelph, and was with the Hamilton Tiger Cats of the CFL as a player for twelve years, and as an assistant coach last season.

The expanded program at Mount A. is the result of a recent study of athletics at the University which recommended much greater student participation at all levels of sport.

In referring to the athletic program, President Crawford said: "We will seek intercollegiate competition in selected sports in which Mount Allison students can be competitive within a philosophy appropriate to this University.

"Within the new program our athletes will enjoy themselves because when they accomplish this, many other goals are achieved. Happy athletes attain and maintain a competent level of fitness and through association with teammates and through competition tend to grow socially.

"Our intercollegiate program will provide opportunities for the pursuit of the refinement of athletic skills to those of our student body with the needed desire, discipline and ability. We aim to provide the opportunity for competition outside our walls at a level appropriate to the ability of our more skilled athletes."

Garney Henley stated that the intercollegiate program is not exclusively for the athletes. He said: "All students benefit from the entertainment value and variety. Sports provide a focal point for school spirit."

The New Director heads a staff of seven supervisors and coaches. His responsibilities include co-ordinating the recruiting of student athletes.



Give the United Way

AUAA FIELD HOCKEY CHAMPIONS



Front row—Cindy Norton, Monica MacKenzie, Sherry Conrad, Irene MacPhee, Nancy Collins, Joan Selig. Back row—Coach Kathy Mullane, Wanda Williams, Martha Hayes, Dianne Chiasson, Kathy Ells, Darlene Mossman, Anne Murphy, Susan Kober, Bonnie Thurber. Missing—Judy Power and Manager Vivian Mancini.

ATLANTIC BOWL GAME

The 1977 Atlantic Bowl Game will be played at Huskies Stadium in Halifax on Saturday, November 19 at 1:00 p.m. The annual C.I.A.U. semi-final will pit the Ontario-Quebec Intercollegiate Football Conference East Champion against the number one Atlantic Universities Football Conference club.

This year's competitors will be either Acadia University Axemen or St. Francis Xavier University

X-Men from the Atlantic Region, and either Bishop's University Gaiters or Queen's University Golden Gaels representing the Ontario-Quebec conference.

The A.U.A.A. teams are presently ranked ahead of the Ontario-Quebec team in national ratings.

Ticket information is available by phoning 422-7361, ext. 196 or 211.

HEANEY HONORED



Brian Heaney

Saint Mary's University Head Basketball Coach, Brian Heaney, will be among those honored on Saturday night, November 5th in Wolfville for his participation in the 1965 National Basketball Championship while a player with the Acadia Axemen.

A one time holder of eight all-time Acadia scoring records, Bachelor of Science graduate Heaney has forged an illustrious career in the world of basketball. The former All-Canadian went on to the N.B.A. professional ranks with the Baltimore Bullets and then after coaching at his alma mater, Bishop Loughlin High School in New York, returned to win a C.I.A.U. National Championship in 1973 at the helm of the Saint Mary's Huskies.

He was selected the C.I.A.U. Coach of the Year in 1973 and then assumed the duties of National Women's Coach leading his teams to competition in the Pan-American Games, World Championships, and 1976 Olympics.



SMU BAND CONCERTS

Saint Mary's University Concert Band will present its annual Christmas Concert Tuesday evening, November 29, in the Theatre Auditorium. They will perform traditional Christmas songs and a variety of other music.

There is a great deal of interest in the Band this year, and the conductor, Mr. Ronald MacKay, well known Maritime musician, has created both

a Concert Band and a Stage Band. Group instruction is provided by Mr. Frank Ridgeway, brass; Mr. Craig Reiner, percussion; and Mr. Bob McCarthy, woodwinds.

Participating in the Band are students, faculty, staff and members of the community. Practices are held each Tuesday evening and the public is invited to the rehearsals.

by Robert Dietz



Robert Dietz



FLEEING MOTHER WITH CHILD—Gregor Kruk, Ukrainian artist living in Germany.

Ars Sacra '77, an Exhibition of Contemporary Christian Art, in which artists of many nations from all over the world participated, was arranged by Robert Dietz, Curator of Saint Mary's University Art Gallery, as a major event of the University's 175th Anniversary Year. The Exhibition was viewed by thousands, and appreciated as a rare collection which is not likely to be seen again.

In the following article, Mr. Dietz discusses the development of the contemporary Christian art movements.

After World War II and its years of atrocities, horrors and dictatorship, many nations experienced a new sense of spiritual and intellectual freedom. The years of suppression had one fortunate result among Christian denominations in that it moved Christians closer toward one another, creating together an ecumenical spirit out of which grew an entirely new movement.

This new direction found expression in art and similar areas of creative endeavor, particularly in the rebuilding of churches, which became once again the points of contact between the Human—the World Immanent, and the Divine—the Transcendent.

One of the milestones on the way towards the autonomous development of Christian art was Pope Pius XII's instruction on sacred art: "The new forms and pictures should not be rejected in general and a priori. It is absolutely necessary that granted the prudent avoidance of eccentric realism or exaggerated symbolism, modern art should also be given a free hand as long as it serves the sacred buildings and rites with the requisite respect and reverence."

With these words an impetus was given for the founding of contemporary Christian art movements, and a stimulus for artists to create and rebuild the estimated twelve thousand churches destroyed in the holocaust of the war. The architect was faced not only with these new directions but also with the rubble and debris, and out of necessity invented novel materials, and innovative techniques for creating the new from the remains of the old.

In spite of many tragic events and personal losses, the Christian people of Europe did not seem to forget priorities. Thus situations arose where the "Houses of the Lord" were rebuilt or repaired by people who still lived in the ruins of their own houses. There was a genuine spirit of thanksgiving by the survivors of this war, a spirit and a feeling quite contrary to our present day rather materialistic and technical way of viewing the world; one in which religious art seems to be out of fashion and where it still exists, is too often badly influenced by economically minded ecclesiastical administrators.

The question may not be: does religious art still exist today? but rather: does religion still exist today where there are so few people left to pray in our churches? Unfortunately not many understand the value and power of inspiration art in general has. "We do need the modern artist, who is introspective. He is needed and to a large extent appreciated because he is so eminently human." As Pope Paul VI stated so poignantly in his speech to artists in June 1973: "We affirm openly, there still exists in this arid and secularized world of ours, which is at times profaned by obscenities and blasphemies, a wonderful capacity for expressing not only what is genuinely human, but also what is Religious, Divine and Christian."

SACRED ART AND THE SECULAR COMMUNITY

by Jim Lotz

It has become fashionable in our time to explain away, or apologize for, any interest in religion. The seminaries are empty, the churches rush around looking for social issues, the young follow any cult that promises an instant solution to their identity problems. Yet many people are seeking doors or windows to get a new perspective on religion. In the States, in the aftermath of Watergate, the "born again" movement is booming. Only too often, however, religious needs are being met through formulae or techniques. Billy Graham's latest book, *How To Be Born Again*, has the largest first printing for a trade hardcover non-fiction book in the United States with over 1,000,000 copies in print.

Religion has ceased to be a Sunday morning thing for many Canadians. Between August 15 and September 30, Saint Mary's University threw open a window on the spirit with its *Ars Sacra* Exhibition. Hundreds of people flocked to the Art Gallery, and in the eyes of both young and old there was a sense of discovery and joy at the universal revelation of the spiritual power of mankind, as revealed through paintings, sculptures, tapestries, ceramics and religious artifacts from many hands and many lands. In a time of religious ferment and uncertainty, the exhibition gave viewers a sense of stability and integrity.

In the Art Gallery, Robert Dietz has created an oasis of tranquility, not only for the university, but for the community. Only too often, our universities have come to resemble the waiting rooms in railway stations where the trains never come. At Saint Mary's the Art Gallery is a vital link between town and gown, between the college and the community; it's a place that serves the needs of all. The music that floods the gallery soothes the spirit, and the placing of the exhibits always pleases the eye.

The collection of sacred art spoke in many tongues, yet had a unity to it that transcended the 86 separate pieces. At the door, a sculptured monk from Athos bowed slightly in greeting. Pieces assembled from Rome, the Canadian

Arctic, Germany, Sri Lanka, Jamaica and other parts of the world revealed the ways in which artists sought to represent the spiritual aspects of mankind. Each piece, unique and different, formed part of a greater whole. Subtly, and without propaganda, the message of Christianity and of spirituality was there for everyone to discover—and to rediscover.

At the core of the Christian faith is Jesus Christ, and the young especially have been turning to him increasingly as a role model. There were many Christs at the *Ars Sacra* exhibition. Graham Sutherland's *Christ Seated* is huge, smiling, and slightly perplexed; the hands extend outwards, partly in benediction, partly in supplication. Tom Forrestall's Christ is a statue, preaching to a wintry landscape of black trees and snow, his back to the viewer. Buffet's *Study for a Crucifixion* shows a helpless Christ, in agony, slumping in his bonds. In Josef Baron's sculpture, *Christ and Bishop*, Christ leans down, not from the Cross, but from a board to which he is nailed, confronting a bishop who averts his eyes. Miller Brittain's *The Victor* shows Christ luminous, triumphant, sword in hand. Max Boucher's *Visage du Christ* is strong, semitic, and suffering—but the strength and the spirituality rise triumphantly from the painting. Many Christs—and yet one.

The exhibition transcended words, and touched a forgotten chord in many people, a chord that they perhaps had ceased to believe could vibrate again. Ho Hwai-shouh's ink, *The Approaching Storm* shows a boat on a shore, and a darkening sky. Everyone familiar with Christian tradition knows what the artist means. Ivan Vecenaj sent a charming letter with his oils behind glass, explaining how he became an artist. In his *Crucifixion*, the dead Christ is bursting into leaf, living again on the Cross. Vecenaj's paintings are strange, unworldly, naive—and yet familiar.

What might have been classified as secular art elsewhere becomes religious in this setting. Gregor Kruk, a Ukrainian now living in Germany, combines power and spirituality in his work. In his

bronze, *Fleeing Mother with Child*, the woman gazes compassionately at her exhausted child. "I saw many people like that during the war," explains Dietz. These two lost people are a symbol for our times, too. Adamie Veevee's whalebone sculpture, *Adult and Child* is from another culture and another world. Here the face is lifted up, suffused with a strange mystical smile.

A series of photographs of churches illustrates Dietz's ideas on priorities in our society. After the war, he notes, the churches in Europe were rebuilt first. In a small village of 1200 people, the parishioners recently collected \$5,000 to pay for a new altar cross for their Romanesque Church built 800 years ago. The cross is modern, but it fits right into the ancient church.

The *Ars Sacra* exhibition offered no simple vistas and presented no answers for the ills of our day. The art shows suffering and triumph, pain and bliss, strange exotic visions and simple and familiar artifacts. This essential ambiguity reflects a time when people are striving for individuality—and for some sense of community. The Art Gallery, in this as in other exhibitions, conferences and concerts, has served common needs, rather than pandering to the separatist and divisive forces that run rampant in our society. There seems to be a message there for our time, when what separates people is stressed more than what brings Canadians together.

The pieces of the exhibition are now dispersed and back with their owners. Robert Dietz worked for two years to assemble them, and out of diversity created a unity. But the sense of harmony, serenity and spirituality that the exhibition created will linger long in the minds and imaginations of all those fortunate enough to visit it.

Jim Lotz, former Managing Editor of Axiom magazine, is a freelance writer, teacher, and research worker and is studying for a degree in Theology.

NOTEWORTHY NOTES

DAVID HOPE, Associate Professor of Business Administration, has been invited to attend the Canadian Institute of Chartered Accountants' first annual Auditing Research Symposium, to be held at Laval University, Quebec, November 17 and 18.

DR. S. JOPLING, Dean of Commerce, has been appointed to the Education Committee of the National Association of Accountants.

DR. JOSEPH VORSTERMANS, Professor of Economics, has been appointed a member of the Société Universitaire Européenne de Recherches Financières.

DR. C.A. ALBUQUERQUE, Associate Professor of Geology, who is on sabbatical leave, is engaged in geological research at the University of Para, Brazil.

DR. JOHN C. O'C. YOUNG, Associate Professor of Chemistry, has recently been appointed to the Energy Sector of Voluntary Planning, Nova Scotia Government.

HERMANN F. SCHWIND, Assistant Professor of Business Administration, was guest speaker at the October meeting of the Halifax Chapter of the Administrative Management Society, and spoke on "Management and Union Relationships, a Canadian-German Comparison."

DR. C.J. TERRY, who was on leave of absence 1975-77, has resigned his position in the Department of English.

DR. JACK GINSBURG, Associate Professor of Chemistry, served as a panel member at "High School Interface," Association of Science Teachers Conference, in Truro, September 23.

JOHN CHAMARD, Assistant Professor of Business Administration, represented the Faculty of Commerce at the annual meeting of the Association for University Business and Economic Research in Little Rock, Arkansas, latter part of October.

DR. C.H. REARDON, Director of Health Services, will be away from the University for an extended period of time. DR. M. DUNCAN has assumed his responsibilities as Director. DR. H.G. QUIGLEY will be in the clinic on Wednesday afternoons.

CHRISTMAS HOLIDAY SCHEDULE

The Christmas and New Year's holiday schedule has recently been announced. The University will be closed commencing 5:00 p.m., Thursday, December 22, and will re-open 9:00 a.m., Tuesday, January 3.

Telephone service will be provided on December 23, 28 and 29.

To conserve fuel and electricity during the close-down period, temperature in the buildings will be reduced to 60°, and night lights only will be turned on.

I.D. EQUIPMENT MOVED

The I.D. equipment has been moved to the Language Lab, second floor, Loyola Building. I.D.'s will be taken—
Monday to Wednesday 9:00 a.m. to 9:00 p.m.
Thursdays 9:00 a.m. to 5:00 p.m.

PUBLICATIONS

DR. DONALD J. HIGGINS, Assistant Professor of Political Science - *Urban Canada - Its Government and Politics* - MacMillan Company of Canada Limited.

HERMANN F. SCHWIND, Assistant Professor of Business Administration - "A Comparative Study of Personnel Problems in International Companies and Joint Ventures in Japan" - *The Journal of International Business Studies*, Summer issue, Vol. 8, No. 1.

PETER K. SMITH AND JACK L. GINSBURG, Associate Professor of Chemistry - "Improved Frequency Sets for Fourier Sensitivity Analysis" - to be published in the *Journal of Chemical Physics*, December 1977.

ENRIQUETA ROJO, Associate Professor of Biology - Qualitative Analysis of Dermatoglyphics of an Argentinian Sample" - to be published by *Mendeliana*, Journal of the Sociedad Argentina de Genetica.

PAPERS PRESENTED

H.W. CHANG, Lecturer in Psychology, and Sandra E. Trehub, (University of Toronto) - Auditory Processing of Relational Information by Young Infants - *Journal of Experimental Psychology*, Vol. 24 (1977)

DR. D.B. VAN DYER, Assistant Professor of Engineering, and DR. S.K. MALHOTRA (Nova Scotia Technical College) - Rational Approach to the Design of Built-Up Timber Columns, *Wood Science*, Vol. 9 (1977)

BUSINESS ADMINISTRATION

HAL SCHROEDER (Management)—*Some Trends in Canadian Corporate Social Policies* at the 1977 Annual Atlantic Schools of Business Meeting.

JO-ANNE ANTHONY (Marketing), NATHAN KLING (Marketing), and JOHN CHAMARD (Management)—*Multiple Distribution Channels in the Atlantic Market for Pre-Built Cabinets* at the 1977 Annual Atlantic Schools of Business Meeting.

JOHN CHAMARD (Management)—*Expanding a Small Enterprise: A Case from the Chinese Experience* at the 1977 Annual Atlantic Schools of Business Meeting.

MILTON CHEW (Management Science)—*The Control and Forecast of Accounts Receivable by Statistical Methods* at the 1977 Annual Atlantic Schools of Business Meeting.

RICK MINER (Management)—*An Initial Investigation into an Alternative Test Return Procedure* at the 1977 Annual Atlantic Schools of Business Meeting.

HERMANN SCHWIND (Management) has presented the following papers: *A New Behavior Oriented Evaluation Scale*—at the annual meeting of the Evaluation Research Society of America in Washington, D.C.;

Managers and Unionization: A Comparison of Canadian and U.S. Responses and *A Preliminary Report on the Construct Validation of a New Performance Appraisal Instrument* at the Atlantic Business Schools conference in Halifax;

Generalizability of the JDI Scales to Canadian Respondents at the meeting of the Administrative Science Association of Canada in Fredericton.

'GHOSTS' AT SMU

SMU Drama Society will present "The Ghost Train" November 16 - 20. A fast-paced farce by Arnold Ridley, "The Ghost Train" was produced in the West End of London, and was later released as a movie.

All the action of the play takes place in the waiting room of the Clearvale Junction Railway Station when six passengers are forced to spend the night after the old stationmaster tells them the Station is haunted.

The antics of the characters are hilarious as the plot thickens and the real reason for the 'haunting' becomes evident.

"The Ghost Train" is under the direction of Faith Ward, who has, to date, directed nine productions at Saint Mary's. Her production of "Under Milkwood" last November was lauded by the *Mail Star* as the best student production of 1976.

The play will be presented November 16, 17, 18, 19 and 20 in the Gymnasium Auditorium at Saint Mary's.

Curtain time is 8:30 p.m.

CHIASSON'S JAZZ WORKSHOPS POPULAR

Enthusiastic students turned out in large numbers for the noon hour workshops in jazz conducted by musician-in-residence, Warren Chiasson, in October.

The workshops, covering all facets of jazz, will continue until November 10. The public is invited to join students, faculty and staff at these informal noon-hour sessions in Room 300 at the Students Centre.

In addition to the noon hour jazz, Mr. Chiasson will present a special performance at a Coffee House in the Residence Cafeteria on November 7 at 9:00 p.m., and a jazz concert in the Theatre Auditorium on Thursday, November 10 at 8:30 p.m. There is no admission charge for these events.

Mr. Chiasson who works out of New York, is a native of Sydney, Nova Scotia, and has established a reputation as one of the best jazz vibraphonists in North America. He also plays the violin, trombone, and piano.

WARREN CHIASSON
JAZZ CONCERT
THURSDAY, NOVEMBER 10, 8:30
THEATRE AUDITORIUM
No admission charge for this event

NOTES FROM

S.M.U. Faculty Womens Association

The interest groups are operating as follows:

French Conversation	Tuesdays, 10:45 a.m.	Jeanine Batiot 423-4391
Cooking	Once a month, 7:30 p.m.	Wednesdays
Bridge (couples)	Once a month	Peggy McCalla 454-0110
Book Discussion	Once a month, 8:00 p.m.	Phyllis Owen 429-6287
Stitch & Chat	Alternate Thursdays, 2:00 p.m.	Ketty Rojo 425-3687

If anyone would care to join, please feel welcome to go. For further information please contact member listed above.

SCHEDULES

LIBRARY

Monday to Friday 8:15 a.m. - 11:00 p.m.
Saturday 9:00 a.m. - 5:00 p.m.
Sunday 1:00 p.m. - 11:00 p.m.

BOOKSTORE

Monday to Friday 9:00 a.m. - 4:30 p.m.

ART GALLERY

Monday and Friday 1:00 - 5:00 p.m.
Tuesday, Wednesday and Thursday 1:00 - 7:00 p.m.
Saturday, Sunday, holidays 2:00 - 4:00 p.m.

CONTINUING EDUCATION

OFFICE HOURS

Monday - Thursday 9:00 a.m. - 9:00 p.m.
Friday 9:00 a.m. - 5:00 p.m.

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CATHOLIC CHAPLAINCY SERVICES

Weekday Mass
Monday, Wednesday and Friday
1:30 p.m. - Liturgical Centre - L145

Sunday Mass

7:00 p.m. - Canadian Martyrs Church, Inglis St.

PROTESTANT CHAPLAIN

Rev. John Pace
Room 308, Student Centre

Monday 2:00 - 4:00 p.m.
7:00 - 9:00 p.m.
phone 423-1944
423-2660
423-7430 (home)

GORSEBROOK LOUNGE

Monday to Wednesday 3:00 p.m. - 12:00 midnight
Thursday to Saturday 3:00 p.m. - 1:00 a.m.

M.W. BURKE GAFFNEY OBSERVATORY

Tours - Every Saturday evening at 7:00 p.m.
Meet in AC 172

ARENA - Skating

Students, faculty & staff
Monday, Wednesday and Friday 12:00 noon to 2:00 p.m.