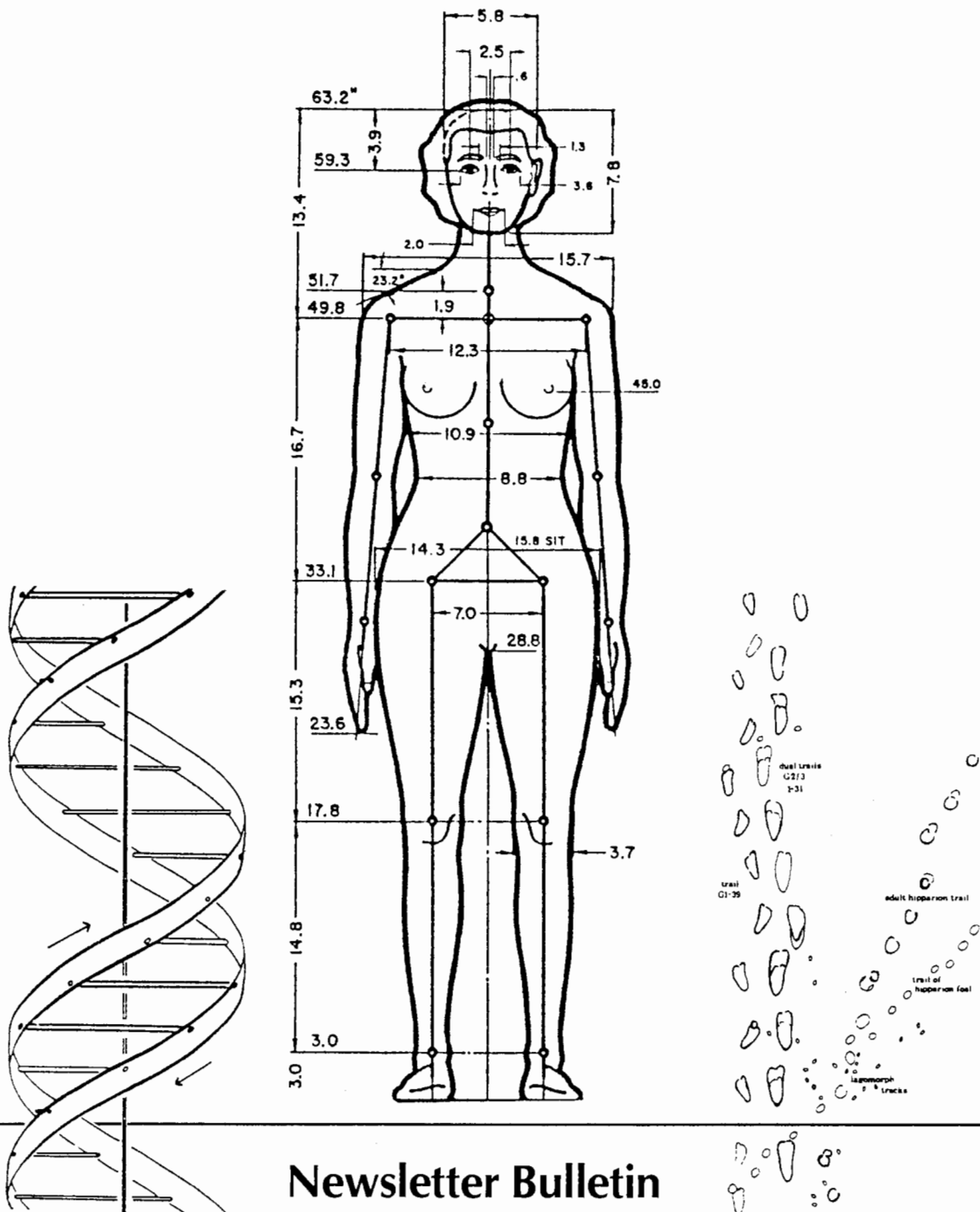


Spring 1991

Canadian Association for Physical Anthropology
L'Association pour L'Anthropologie Physique au Canada



Newsletter Bulletin

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President's Message

CAPA/AAPC had a very energetic and successful year, thanks to the efforts of our members and special activities coordinators:

- Our annual meeting in Banff was a tremendous success, with 46 presented papers in four symposia and two contributed papers sessions. Once again we are delighted with the international representation at the meeting, largely a result of the efforts of symposia organizers.
- Membership continues to grow, particularly in the Student Member category.
- On behalf of the membership, the association has made representation to the Social Sciences and Humanities Research Council and the Natural Sciences and Engineering Research Council to promote the funding of research in physical anthropology.
- Recommendations have been made by the association to the Joint Assembly of First Nations/Canadian Museums Association Task Force on Museums and First Peoples and to Saskatchewan Culture, Multiculturalism and Recreation, with discussion continuing on an ad hoc basis with Alberta Culture, regarding aboriginal skeletal remains.

Updated information on these last two issues will be provided at the 1991 business meeting, and other issues will be considered. For example:

- Members of the executive and conference organizers often incur travel expenses, and the question of reimbursement by CAPA in cases where the member cannot obtain funding from their institution has arisen. As well, the association's ability or responsibility to provide full or partial travel support for members who officially represent CAPA at other meetings must be addressed.
- The association's constitution requires revision, particularly the sections dealing with the nomination and election of the executive, the submission of motions for inclusion in the agenda of the business meeting, the auditing of the association's accounts, and the use of the generic "he". The constitution is reprinted in this issue of the Newsletter. Please submit any suggestions for revision to the President or the Secretary/Treasurer.

As a sad counterpoint to the successes of the past year, we note the deaths of our colleagues Charlie Eyman and Larry

Fedigan.

I look forward to seeing you at the next meeting.

Nancy Lovell

~~A Message from the Editor~~

It is my pleasure to, first of all, thank the Acting Editor for last year, Nancy Ossenbergl, for editing the newsletter in 1990. As you had heard, I was in Munchen, Germany, and enjoyed myself immensely among my favorite skeletons. -

This year, I tried to start early with a call for material and I did get a number of positive replies. However, our faculty decided to go on strike beginning of March. The end of our labour dispute was more than three weeks later, and the time lost in teaching had to be recouped. Accordingly, everything else had to move. I apologize for the delay in editing this newsletter 1991.

By assembling the material, I noticed a common trend; some members are very active, others are not in sending notes and news. I would like to thank those who contribute to the newsletter, but I would also like to encourage the others to become more active in these matters. After all, it is always interesting to read what other members do. Please do not hesitate to report your thoughts and activities to all of us.

Hermann Helmuth

~~Announcements~~

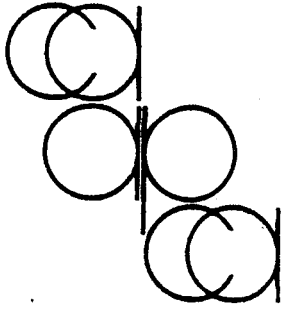
Please be reminded that at our next meeting in Hamilton (see attached) we need to elect a new (?) president. Any ideas? What about a search committee to come up with suggestions?

I should also remind my readers that we decided to mutate the membership fee;
the new membership fees will be:

| | |
|------------------------|----------|
| full members: | \$ 35.-- |
| institutional members: | \$ 25.-- |
| student members: | \$ 15.-- |

Memberships extend from one annual general meeting to the next and people who have not paid their fees may not receive this newsletter.

Shelley Saunders (McMaster University) has been selected to the editorship of the "International Journal of Anthropology" and thus, encourages members to hand in manuscripts for publication.



Canadian Association for Physical Anthropology
 Association pour L'Anthropologie Physique au Canada

THE CONSTITUTION: As published in the Newsletter, No. 1, 1976.
 Ratified at Third Annual Meeting, 1975, Trent University.

GENERAL BY-LAWS

Section I By-Laws

- 1.1 All previous By-Laws of the Association are repealed as from the date of the adoption of the present set of By-Laws and their approval by the Department of Consumer and Corporate Affairs.
- 1.2 Amendments to the By-Laws may be proposed by the Executive Committee, or by a member of the Association notifying the Executive Committee in writing at least six (6) weeks before the annual meeting; the Secretary-Treasurer shall notify the membership of the Association of such amendments to the By-Laws at least one (1) month prior to the date of the meeting at which they are to be presented; amendments to the By-Laws shall be adopted by a two-thirds (2/3) majority of the votes cast at the General Meeting of the Association but shall not be enforced upon until the approval of Consumer and Corporate Affairs has been obtained.
- 1.3 For all purposes pertaining to the application of the Canada Corporations Act to the Association,
 - a) Association: means "The Canadian Association for Physical Anthropology - La Societe pour Anthropologie Physique du Canada".
 - b) Executive Committee: means the Board of Directors.
 - c) General Meeting: means according to the context the Annual General Meeting or a General Special Meeting.

Section II Object of the Association

- 2.1 The Canadian Association for Physical Anthropology is a learned society devoted to the advancement and dissemination of physical anthropology in Canada.

Section III Membership

- 3.1 Membership in the Association is open to all who are interested in its objective upon application and payment of the appropriate fees.
- 3.2 There shall be three (3) categories of membership, the fees of which shall be fixed upon recommendation of the Executive Committee by a simple majority of the votes cast at the Annual Meeting.
- a) Full membership;
 - b) Associate membership, available to persons who are interested in physical anthropology;
 - c) Institute membership, available only to organizations.
- 3.3 Full members only have the right to vote in the Association.
- 3.4 The Executive Committee may terminate the membership of any member for non-payment of fees.
- 3.5 Members may resign from the Association by sending a written notice of resignation to the Secretary-Treasurer.

Section IV Officers of the Association

- 4.1 (Amended October, 1983). There shall be the following officers of the Association:
- a) President: elected by the members, who shall serve in such capacity for a two (2) year term.
 - b) Secretary-Treasurer: elected by the members for a four (4) year term, not concurrent with the President's term.
 - c) Editor: elected by the members for a six (6) year term.
 - d) Program Chairman: elected by the members for each sequential meeting.

- 4.2 The President is the chief executive officer of the Association; presides over all meetings of the Association and of the Executive Committee; signs all documents requiring his signature; fulfills all duties inherent in his office; and discharges such other responsibilities as may be assigned to him by the General Meeting or the Executive Committee.
- 4.3 The Program Chairman shall take the place of the President, and exercise his powers in case of absence, incapacity, or resignation of the President; and shall discharge such other responsibilities as may be assigned to him by the General Meeting or the Executive Committee.
- 4.4 The Secretary-Treasurer shall be keeper of the seal, minute books and records of the Association, shall have authority to certify documents of the Association, shall receive and have custody of the funds of the Association in accordance with the instructions of the Executive Committee, shall present to the annual meeting the audited financial statement of revenue, expenditure, assets, liabilities and surplus for each fiscal year and shall discharge such other responsibilities as may be assigned to him by the General Meeting or the Executive Committee. He shall take the place of the President and exercise his powers in case of absence, incapacity or resignation of the program Chairman.
- 4.5 The Editor shall issue a Newsletter to all members.

Section V The Executive Committee

- 5.1 The Executive Committee shall be composed of not less than three (3) and not more than nine (9) members. The Officers of the Association shall be members of the Executive Committee.
- 5.2 All members of the Executive Committee shall have full voting rights.
- 5.3 The Executive Committee shall meet at the call of the President or by written petition of three (3) members of the Executive Committee at the head office of the Association or at a time and place determined by the President upon recommendation and advice of the Executive Committee.
- 5.4 The Secretary-Treasurer shall send notice of meetings of the Executive Committee by prepaid post or shall give such notice by telephone or telegraph to each member entitled to attend at least seven (7) days in advance.
- 5.5 The quorum for any meeting of the Executive Committee shall be three (3) members.
- 5.6 The Executive Committee shall have charge of the general interests of the Association, shall call the annual and any special meetings

of the Association, appropriate money, appoint committees and their chairmen with appropriate powers, have the general responsibility for the publications of the Association, and in general possess the governing power in the Association except such powers as are reserved to the General Meeting.

- 5.7 The Executive Committee shall have power to appoint representatives of the Association to other organizations.
- 5.8 The Executive Committee shall have the power to fill vacancies in its membership occasioned by death, resignation, or failure to elect, such appointees to hold office until the next annual election of officers. The Executive Committee shall have power to co-opt persons onto the Executive Committee; such persons shall not have the right to vote as members of the Executive Committee.
- 5.9 All members before the Executive Committee shall be decided by a majority of the votes cast.
- 5.10 The President shall vote only in case of ties.

Section VI Election and appointment of officers and members of the
Executive Committee

- 6.1 There shall be a nominating committee composed of three (3) APPOINTED by the Executive Committee.
- 6.2 The nominating committee shall nominate before January 15th of any year a list of candidates for all offices falling vacant in that year. This list shall include at least two (2) candidates for each post or office to be filled. Additional nominations may be made prior to March 15th of any year by any five (5) members in good standing of the Association submitting to the Committee the candidate's name in writing together with a statement of the candidate's willingness to serve if elected. The nominating committee shall also nominate candidates for standing committees of the Association by the same procedures.
- 6.3 The nominating committee shall on March 15th forward to the Secretary-Treasurer a complete and certified list of candidates including its own and those added by the members themselves.
- 6.4 The Secretary-Treasurer shall prepare the form of ballot listing all candidates and forward a copy to each member of the Association with the notice of the Annual Meeting. The members shall vote on the form of ballot supplied and deliver such ballot by mail at least two (2) full days before the annual meeting.
- 6.5 Any officer or member of the executive committee to be elected must receive a majority of the valid votes cast for that post or office, using the procedure of transferable preference voting should first

preference votes not result in one (1) candidate receiving a majority. The result of the election is to be announced at the Annual Meeting immediately following which the elected officers and members shall assume office.

- 6.6 In the first election one third (1/3) of the Councillors of the Executive Committee shall be elected for a three (3) year term, one third (1/3) for a two (2) year term and one third (1/3) for a one (1) year term. In subsequent elections, such members shall be elected for a three (3) year term.
- 6.7 Officers and members of the Executive Committee may be removed from office before the expiration of their term of office by a special resolution of the General Meeting of the members carried by a two thirds (2/3) majority vote of those present and voting.
- 6.8 Officers and Members of the Executive Committee shall not be entitled to receive as such any remuneration.

Section VII Meeting of the Association

- 7.1 The Association shall meet annually at such time and place as may be determined by the Executive Committee.
- 7.2 Notice of Annual, General or Special Meeting shall be sent by the Secretary-Treasurer to each member at least one (1) month prior to the date at which it is to be held.
- 7.3 Motions for inclusion in the formal agenda of the Annual Meeting must be received by the Secretary-Treasurer, six (6) weeks prior to the date of the Annual Meeting, and must be proposed by five (5) members.
- 7.4 Motions for discussion at the Annual Meeting as New Business may be submitted at any time, but the Chairman may rule that discussion on New Business be limited, to permit the completion of Old Business.
- 7.5 The Agenda of the Annual Meeting shall include:
 - 1) A report on the work of the Executive Committee during the year prior to the meeting.
 - 2) The Secretary-Treasurer's report, including the annual financial statement of the Association.
 - 3) Reports of Association Standing Committees.
 - 4) Election of Officers.
 - 5) Such other matters as required by law.
- 7.6 Twenty-five (25) members of the Association shall constitute a quorum and a majority vote of those members in attendance and voting shall control its decisions unless the Canada Corporations Act or the present By-Laws require a special resolution or a greater majority.

Section VIII Accounts and Audits

- 8.1 The signing officers of the Association shall be determined by resolution of the Executive Committee.
- 8.2 The fiscal year of the Association shall end on March 31st of each calendar year.
- 8.3 The books of account shall be audited annually, and the reports of the auditor shall be approved by the Executive Committee and submitted by the Secretary-Treasurer to the Annual Meeting following the end of the fiscal year.
- 8.4 The auditor shall be appointed by a simple majority resolution of the members at the Annual General Meeting.

Section IX Interpretation

- 9.1 Neither the English nor the French text of the Letters Patent or By-Laws shall take precedence one over the other for both shall be of equal and official status and interpretations as to meaning shall rely on the scrutiny of both versions.
- 9.2 The use of the masculine gender in nouns and pronouns shall not imply any preference for members of the male sex with regard to holding office or in any other respect.

Reglements généraux

ARTICLE I Reglements

- 1.1 Tous les reglements antérieurs de la Société sont révoqués a compter de la date de l'adoption des présents reglements et de leur approbation par le ministere de la Consommation et des Corporations.
- 1.2 Les présents reglements peuvent etre modifiés a la demande du conseil ou a celle d'un membre de la Société qui prévient le conseil six (6) semaines au moins avant l'assemblée annuelle; le secrétaire-trésorier notifiera les membres de la Société de tout modification proposée au moins un (1) mois avant la réunion ou une telle modification sera soumise a l'assemblée; ou adoptera une modification des reglements quand les deux-tiers (2/3) des membres qui seront présents et qui auront utilisé leur droit de vote a cette assemblées pléniere annuelle de la Société se prononceront en favour d'une telle modification mais celle-ci ne sera pas mise en vigueur ni appliquée avant d'avoir reçu l'approbation du ministre de la Consommation et des Corporations.
- 1.3 Pour tout ce qui a trait a l'application de la Loi sur les corporations canadiennes a la Société,
 - a) Société désigne "La Société des Anthropologues Physiques du Canada - The Canadian Association of Physical Anthropologists.
 - b) Conseil désigne le Conseil d'administration.
 - c) Assemblée pléniere désigne selon le cas, l'assemblée générale annuelle ou spéciale des membres.

ARTICLE II Buts

- 2.1 La Société des Anthropologues Physiques du Canada est une Société savante qui a pour buts de favoriser le progres et d'encourager la diffusion de l'anthropologie physique au Canada.

ARTICLE III Membres

- 3.1 La Société admet comme membre toute personne qui s'intéresse a la poursuite de ses buts, en fait la demande et acquitte la cotisation appropriée.

- 3.2 La Société aura trois (3) catégories de membres, dont les cotisations sur recommandation du Conseil seront déterminées de temps à autre à la majorité simple des personnes présentes utilisant leur droit de vote lors de l'assemblée générale annuelle. Il s'agit des catégories suivants:
- a) Membres réguliers;
 - b) Membres associés, classe prévue pour les personnes qui s'intéressent à l'anthropologie physique;
 - c) Membres affiliés, classe prévue seulement pour les institutions.
- 3.3 Seuls les membres régulières jouiront du droit de vote au sein de la Société.
- 3.4 Le Conseil peut suspendre ou expulser tout membre qui a fait défaut d'acquitter sa cotisation.
- 3.5 Tout membre peut démissionner de la Société en faisant parvenir au secrétaire un avis écrit de son intention de le faire.

ARTICLE IV Cadres de la Société

- 4.1 La Société aura les cadres suivants:
- a) Président, élu par les membres occupant cette fonction pour un mandat de deux (2) ans;
 - b) Secrétaire-Tresorier, élu par les membres de la Société pour un mandat de quatre (4) ans contemporain à celui du Président;
 - c) Rédacteur, élu par les membres de la Société pour un mandat de six (6) ans. Le rédacteur transmettra à tous les membres un bulletin de nouvelles.
 - d) Président de la session professionnelle, élu pour une (1) année à une assemblée générale annuelle pour la prochaine session.

- 4.2 Le président est le principal dirigeant de la Société; il préside toutes les réunions du Conseil, et de la Société; il signe tous les documents qui exigent sa signature; il remplit toutes les fonctions que comporte son poste; il s'acquitte des autres responsabilités qui peuvent lui être assignées par le Conseil ou l'assemblée plénière.
- 4.3 Le président de la session professionnelle remplace le président et exerce ses fonctions en cas d'absence, d'incapacité ou de démission; il s'acquitte de toutes autres responsabilités qui peuvent lui être assignées par le Conseil ou l'assemblée plénière.
- 4.4 Le secrétaire-trésorier a la garde du sceau, des livres et registres de la Société; il a compétence et autorité pour authentifier les documents de la Société; il reçoit et a la garde des fonds et avoirs de la Société selon les directives du Conseil; il présente les états financiers vérifiés de chaque année financière lors de l'assemblée annuelle; il s'acquitte de toutes autres responsabilités qui peuvent lui être assignées par le Conseil ou l'assemblée plénière; il remplace le président et exerce tous les pouvoirs de cette charge en cas d'absence, incapacité ou démission du président et du président de la session professionnelle.

ARTICLE V Conseil

- 5.1 Le Conseil se compose de trois (3) à neuf (9) membres. Les cadres de la Société seront membres du Conseil et le rédacteur du bulletin (Newsletter) de la Société en sera membre ex officio.
- 5.2 Tous les membres du Conseil ont plein droit de vote.
- 5.3 Le Conseil se réunit sur avis de convocation du président ou sur pétition écrite de cinq (5) membres du Conseil au siège social de la Société ou à tel endroit et à tel moment que le président désigne sur recommandation ou consultation du Conseil.
- 5.4 Le secrétaire-trésorier avise les membres du Conseil de la tenue d'une assemblée au moins sept (7) jours à l'avance en communiquant avec chacun par courrier affranchi, téléphone ou télégraphe.

- 5.5 Le quorum pour toute assemblée du Conseil est de trois (3) membres.
- 5.6 Le Conseil veillera de façon générale aux bons intérêts de la Société, convoquera les membres aux assemblées plénières, obtiendra et affectera les ressources financières, formera des comités et accordera les pouvoirs requis aux présidents et aux membres de ceux-ci afin qu'ils exécutent leurs mandats et il aura une responsabilité générale à l'égard des publications de la Société. Le Conseil est habilité, en termes généraux, à assurer le gouvernement de la Société, sauf dans les matières qui sont spécifiquement réservées à l'assemblée plénière.
- 5.7 Le Conseil pourra nommer des représentants de la Société auprès d'autres organismes.
- 5.8 En cas de vacance au Conseil, créée par le décès, la démission ou le défaut d'élire, le Conseil pourra remplir le poste vacant, la personne ainsi nommée demeurant en fonction jusqu'à la prochaine élection annuelle. Le Conseil sera habilité à coopter des membres; les membres cooptés n'aurent point le droit de vote au Conseil.
- 5.9 Le Conseil décide à la majorité simple de toutes les questions sur lesquelles il doit se prononcer.
- 5.10 Le président ne vote qu'en cas d'égalité des voix.

ARTICLE VI Nomination et élection des cadres
et des membres du Conseil

- 6.1 Le comité des nominations se compose de trois (3) membres désignés par le Conseil.
- 6.2 Le comité des nominations soumettra avant le 15 janvier de chaque année une liste de candidats pour les postes devenant vacants au cours de l'année. Cette liste devra contenir au moins deux (2) candidats pour chaque poste. Des candidatures additionnelles peuvent être soumises avant le 15 mars de chaque année par tout groupe de cinq (5) membres en règle transmettant par écrit le nom du candidat et son consentement à remplir les devoirs de sa charge advenant son élection.

- 6.3 Le comité des nominations fera parvenir au secrétaire-trésorier le 15 mars une liste complète et certifiée des candidats, incluant à la fois ses propres mises en nomination et celles faites par les membres de la Société eux-mêmes. Le comité de mise en candidature nommera également des candidats aux comités en cours de la Société selon les mêmes procédures.
- 6.4 Le secrétaire-trésorier prépare un modèle de bulletin de vote donnant la liste de tous les candidats et en expédie une copie à chaque membre de la Société en même temps que l'avis de convocation pour l'assemblée générale annuelle. Les membres doivent voter sur les bulletins de vote fournis et les faire parvenir par la poste au secrétaire-trésorier au moins deux (2) jours avant celui de l'assemblée générale annuelle.
- 6.5 Seront déclarés élus les candidats ayant obtenu la majorité des voix validement exprimées pour le poste convoité. Si aucun candidat n'obtient de majorité lors du décompte du premier vote, la procédure dite du vote préférentiel transmissible sera utilisée pour en arriver à la majorité requise. Le résultat du scrutin sera annoncé à l'assemblée générale annuelle et les élus assumeront leur charge à la fin de cette assemblée.
- 6.6 Lors de la première élection un tiers (1/3) des conseillers sera élu pour un mandat de trois (3) ans, un tiers (1/3) pour un mandat de deux (2) ans et l'autre tiers (1/3) pour un mandat d'un (1) an. Lors d'élection subséquente les conseillers seront élus pour un mandat de trois (3) ans.
- 6.7 Les cadres et les membres du Conseil peuvent être démis de leur fonction avant l'expiration de leur mandat par une résolution spéciale de l'assemblée plénière adoptée par une majorité des deux tiers (2/3) des membres présents et votant.
- 6.8 Les cadres et les membres du Conseil n'ont droit de recevoir aucune rémunération à ce titre.

ARTICLE VII Assemblée plénière

- 7.1 La Société se réunit en assemblée plénière au moins une fois par année à l'endroit et à la date que fixe le Conseil.

- 7.2 Le secrétaire-trésorier expédie à chaque membre en règle au moins un (1) mois à l'avance un avis de convocation pour chaque assemblée plénière, annuelle ou spéciale.
- 7.3 Les résolutions pour l'inclusion d'articles dans l'ordre du jour officiel doivent être déposées chez le secrétaire-trésorier, six (6) semaines avant la date de l'assemblée annuelle et doivent avoir l'appui de cinq (5) membres en bonne et due forme.
- 7.4 Les résolutions pour la discussion d'affaires nouvelles à l'assemblée annuelle peuvent être soumises en tout temps, mais le président peut décider de limiter la discussion sur les affaires nouvelles afin d'accélérer les travaux sur les affaires anciennes.
- 7.5 L'ordre du jour de l'assemblée plénière annuelle devra prévoir:
- (1) Un rapport des activités du Conseil au cours de l'année écoulée avant la réunion.
 - (2) Le rapport du secrétaire-trésorier, dont le bilan annuel des ressources financières de la Société.
 - (3) Les rapports des "comités en cours" de la Société.
 - (4) L'élection des membres du Conseil.
 - (5) Les autres sujets que la loi exige de soumettre à l'assemblée plénière.
- 7.6 La présence de vingt-cinq (25) membres de la Société en assemblée plénière dûment réunie y constitue le quorum. Le vote pris à la majorité simple des personnes présentes utilisant leur droit de vote est décisif à moins que la Loi sur les corporations canadiennes ou les présents règlements exige une résolution spéciale ou une majorité plus grande.

ARTICLE VIII Dispositions financières et vérification

- 8.1 Le Conseil désigne par résolution les cadres qui seront autorisés à signer tous documents pour et au nom de la Société.
- 8.2 L'exercice financier de la Société se termine le 31 mars de chaque année.
- 8.3 Les livres de comptabilité de la Société sont vérifiés chaque année et les rapports de vérification sont approuvés par le Conseil et présentés par le secrétaire-trésorier à l'assemblée plénière annuelle qui suit la fin de l'année financière.
- 8.4 Le vérificateur de la Société est nommé par simple résolution des membres à l'assemblée plénière annuelle.

ARTICLE IX Interprétation

- 9.1 Les versions française et anglaise des lettres patentes ou règlements n'ont pas prééminence l'une sur l'autre mais elles sont toutes deux égales et officielles. L'interprétation des lettres patentes ou règlements reposera sur l'étude des deux textes.
- 9.2 L'emploi du masculin dans les noms ou les pronoms n'impliquera pas la moindre préférence pour les membres du sexe masculin quant à leur nomination ou élection à un poste ou à tout autre égard. La lecture du texte des lettres patentes ou règlements supposera que les corrections grammaticales requises sont implicites selon le genre de la personne dont il est question.



8 March 1991

CAPA Members:

As many of you know, the Minister of Communications, Government of Canada, recently introduced a "Proposed Act respecting the protection of the archaeological heritage of Canada." The bill was distributed in draft form "to permit detailed comment by individuals and groups interested in archaeology, notably from organizations representing the aboriginal peoples."

The department's newly formed Office for Archaeological Resource Management held consultative workshops on the Proposed Act, February 17-19, 1991. They were attended by invited representatives of the archaeological community (including yours truly), legal experts, and "grass-roots" representatives of the aboriginal community.

The aboriginal peoples met on the first day of the consultations, the second day saw a series of joint workshops, and the third day was largely the domain of the archaeologists. As part of their symposium, the aboriginal peoples formulated a set of principles respecting jurisdiction in the area of aboriginal archaeological resources and then asked for support from the archaeological community. One of three workshops held on the second day of the consultations moved to support the aboriginal statement "without reservation." As a group, the archaeologists on the third day decided to defer any such decision to the general archaeological community as represented by the Canadian Archaeological Association. It is my understanding that the statement will be introduced to the membership at its annual meeting in St. John's, May 8-11, 1991.

CAPA does not meet until the Fall of this year. I believe it is essential that we also consider the statement. The aboriginal statement, in its entirety, accompanies this letter. I would suggest that each of us seriously consider the statement for possible support at our next annual business meeting. In the interim, I will be pleased to act as a reservoir for individual membership responses to the statement and collate them for the meeting. You may write to me at the Canadian Museum of Civilization, 100 Laurier Street, P.O. Box 3100, Station "B," Hull, Quebec, Canada, J8X 4H2, or FAX 819-953-9382.

Sincerely,

J.S. Cybulski

**Curator of Physical Anthropology
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Canada

ABORIGINAL ARCHAEOLOGICAL SYMPOSIUM STATEMENT

OTTAWA, ONTARIO -PASSED UNANIMOUSLY- FEBRUARY 18, 1991

The Symposium of Aboriginal peoples on archaeological heritage issues held in Ottawa February 17-18, 1991 wishes to affirm the following declaration of principle in reflection of their inherent responsibility for all aspects of their heritage:

That descendants of the First Peoples who now reside on this continent are its original and indigenous populations, and have a holistic vision of the world which is unique to them and have a self-evident jurisdiction in the area of Aboriginal archaeological resources.

This jurisdiction includes:

- the inherent right to ownership and definition of Aboriginal archaeological resources, and religious and spiritual objects**
- an exclusive right to determine the extent and nature of the protection, treatment and management of Aboriginal burial sites and Aboriginal human remains,**
- a pre-eminent role in the protection, treatment and management of sacred sites,**
- a pre-emptive role in the area of impact assessment, and the application of licenses and permits in relation to Aboriginal archaeological resources to insure due respect to specific cultural beliefs.**

In accordance with this principle, and in response to a government request for reaction to a proposed bill on Canada's archaeological heritage, this symposium asserts the following principles to guide improvement of the bill so as to empower and enable Aboriginal jurisdiction in the field of Aboriginal archaeological resources wherever they may be found in the lands and waters of Canada.

The text of the bill should be revised so that:

- 1. The jurisdiction over and ownership of Aboriginal archaeological resources is explicitly recognized.**
- 2. A mechanism be established to enable any Aboriginal communities and/or authorities to exercise jurisdiction and negotiate agreements (including resourcing) relating to Aboriginal archaeological resources, their public interpretation, and their reclamation to communities of origin..**
- 3. A declaration which requires this act to be interpreted so as to foster the spirit and intent of Aboriginal and Treaty rights.**
- 4. Formally recognizes the role of our Aboriginal spiritual elders and leaders.**

In conclusion this symposium is encouraged by the Code of Ethics of the Second World Archaeological Congress in Venezuela, September, 1990, as a minimum basis for the recognition by archaeologists of indigenous archaeological concerns.

IN MEMORIAMCHARLES EYMAN 1933 - 1990

Charles (Charlie) Eyman died at his home in Armidale, Australia, on Dec. 22, 1990, after a long illness. He has been on permanent sick leave from the Department of Archaeology since 1983 and moved to Australia upon the retirement of his wife, Evelyn Moore-Eyman, formerly of the Department of Education at The University of Calgary.

Born in Kansas on June 1, 1933, he took his bachelor's degree from the University of Kansas and immediately went to the United States National Museum where he worked for a year as a museum aide. He then acted as a teaching fellow and research assistant at the University of Michigan until he came to the Department of Archaeology at what was then the University of Alberta at Calgary in 1965, where he earned both an MA and a PhD. Prior to receiving his PhD he acted as a sessional instructor and was appointed the physical anthropologist of the archaeology department when he received his PhD in 1971. He took an active role in the foundation of the Canadian Association for Physical Anthropology, and spent a considerable amount of research time on areas in which archaeological overlaps with physical anthropology, particularly in the study of burials. At meetings, colleagues had to beware of poorly stated arguments or too much jargon or their efforts might be greeted with Charlie's ringing "balderdash." Most of the early graduate students of the department took courses from Charlie and he supervised MA theses for a number of them. During much of his life Charlie was plagued by a continuous series of illnesses which prevented him from reaching some of the goals which his sharp intellect would otherwise have made possible. He felt a strong bond to graduate students, which was usually reciprocated, and many scholars in Canada will miss him.

-David Kelley (from the University of Calgary campus newsletter).

In Memoriam: Dr. Charles Ernest Eyman 1933 - 1990

Dr. Charles E. Eyman, familiar to the senior membership of CAPA as 'Charlie' died at his home in Armidale, New South Wales, Australia, on December 22, 1990. Charlie had been in poor health for many years, having been on permanent sick leave from the University of Calgary since 1983. He and his wife, Evelyn Moore-Eyman, had moved to Armidale upon Evelyn's retirement from the Faculty of Education in 1986.

Charlie was born on June 1, 1933 in Kansas, grew up

there, and took his bachelor's degree from the University of Kansas. He worked at the United States National Museum and at the University of Michigan before coming to the newly founded Department of Archaeology at the University of Alberta at Calgary (now the University of Calgary) in 1965. He took both MA and PhD degrees there under the tutelage of Professor David Kelley, and upon completion of the latter in 1971 was appointed as Assistant Professor in the department.

Charlie was one of the instigators for, and a founding member of the Canadian Association for Physical Anthropology. He also served as co-chairman for the founding meeting in February of 1973. His interests in the discipline ranged over the classical areas of osteometrics, through growth and development, and the physiology of bone growth, to archaeology and forensics. Charlie was also one of the earliest users of computers in the Canadian branch of the discipline, and was both an expert statistician and programmer. While his presentations and published papers have been few, he has had a significant impact on the development of Physical Anthropology in Canada.

Charlie had a long standing interest in and affection for graduate students, though the interests were not often appreciated. He was a notorious gadfly, and many of us upon the commission of a poorly phrased statement, or error of fact, have been the recipient of a ringing "Balderdash" from the back of the room. Perhaps little known, and unappreciated is the fact that Charlie instituted and funded from his own pocket for over a decade, the McKern - Oschinsky Award for the best student paper at the annual conference. This was entirely in keeping with his character, he was by turns aggressive and pugnacious, sentimental and moved to generosity, but he was consistently intolerant of sloppy research and inattention to the historical antecedents of the discipline.

Charlie is survived by his wife Evelyn, and a daughter by a previous marriage.

James D. Paterson
Dept. of Anthropology, University of Calgary

NEWS FROM THE UNIVERSITY OF ALBERTA EDMONTON
sent by Dr. Pam Willoughby (Dept. of Anthropology):

Here is a brief report on research:

"Stone age prehistory of the Lake Rukwa Basin, Southwestern Tanzania". SSHRC Research Grant 410-90-0408.

The Middle Stone Age (MSA) is the period least known in East Africa. Ranging from 200,000 to 30,000 years ago, it sees one of the first transformations in stone technology, notably the beginnings of regional differences in tool kits. Recent models from palaeoanthropology and human genetics propose that the MSA also saw the emergence of anatomically modern humans. Our field project has been a survey of areas south and west of Lake Rukwa, in the Albertine Rift, Southwestern Tanzania in order to locate or relocate archaeological sites. A 1990 field season funded by SSHRC resulted in the discovery of 23 new sites, and the relocation of 10 more, a third of which belong to the MSA. We are currently analyzing the artifacts collected, which come from the MSA, Later Stone Age and Iron Age, and plan to return in 1992 to reexamine the earliest sites. I was accompanied by a Master's candidate at the University of Alberta, Gregory Miller, who will prepare a thesis on this material, and (for two months) by Julie Cormack, now a doctoral student at the University of Liverpool, as well as by three members of the Tanzania Department of Antiquities.

Recent publications

"Human origins and the sexual division of labour: an archaeological perspective". In The Archaeology of Gender, Proceedings of the Chacmool Conference, Calgary, 1989, in press.

"Stone age archaeology in Mbeya and Rukwa Regions, Southwestern Tanzania". Nyame Akuma 34, December 1990, in press, 18 ms. pp.

"Earlier Stone Age archaeology and African Studies: a move towards reconciliation". Canadian Journal of African Studies, in press, 1991, 36 ms. pp.

Recent conferences.

"The Acheulean-Middle Stone Age transition in East Africa and the question of modern human origins". Paper presented at the Society of Africanist Archaeologists, Gainesville, Florida, March 1990.

"Stone age beginnings: archaeological perspectives". Paper presented at the Canadian Anthropology Society meetings,

Calgary, May 1990.

Student supervision

Gregory Miller, M.A. candidate, is preparing a thesis on the Tanzanian material we collected in the fall of 1990. It will relate to technology in the Middle Stone Age.

Yin Lam has entered the Master's programme at the University of Alberta to work on East African faunal material and taphonomic questions.

NEWS FROM THE DEPT OF ANTHROPOLOGY Department of Anthropology -Ethnic Studies- University of Nevada

Drs. Sheilagh and Richard H. Brooks report:

Overview of 1990 Activities

Richard and I attended the American Academy of Forensic Sciences and the American Association of Physical Anthropologists meetings in the spring. We also hosted and celebrated the 10th anniversary of the Mountain, Desert and Coastal Forensic Anthropology Workshop at Lake Mead in early June. Attending the sessions to learn more about our techniques was Dr. Gideon Fell (alias Aaron Elkins).

Summer 1990 we flew to Holland where we continued the analyses of the Breda late medieval skeletal series, housed at the Anthro-Osteology Department of the University of Utrecht. While there we prepared a poster on occlusal and linear hypoplasia (observed in 9 individuals from the Breda series) and a paper on a scaphocephalic skull also from that series with Dr. W.R.K. Perizonius. We presented the poster at the European Anthropological Association meetings in Wroclaw and the paper at the post-session Symposium on Palaeopathology in Warsaw.

In October we attended the Great Basin Anthropological Conference and gave a paper on secondary or token burials based on data recovered from two cave sites in Nevada. At the CAPA meetings we gave a paper (with Perizonius) on the results of our hypoplasia study - mainly to query our colleagues on their opinion of causes - which varied from that of the European responses.

Two of our graduate students finished their M.A. theses and degrees while we were in Holland - sending the manuscripts to us. A third student whose thesis concerns prehistoric skeletal remains from western Utah and southeastern Nevada is making progress and hopes to be finished this spring.

Four of our publications came out this past year and two more have been accepted. Also our only book is published (so to

speak): the printer that U.S. Fish & Wildlife selected messed up the photographs, so there are 200 copies available, all with blurred photos. The man in charge can't decide what to do, we suggested burning them as a huge yule log over the holidays!

Our ongoing research is involved with analysis of Great Basin skeletal remains in conjunction with several of our students who have written M.A. theses on certain of the skeletal collections. In addition we are still involved to some extent with archaeological research in northern Baja California and have been asked to submit an overview of our surveys there between 1975 and 1985, conducted for several weeks every January.

I am continuing to write up the results of researches on fossil mammals in Africa, especially Suidae, and a paper on the fossils from Taung in the University of California collections appeared recently as a chapter in "apes to Angles" edited by Geoffrey Sperber. I am now busy with one on Dinofelis from Bolt's Farm, hopefully to be published later this year. Other lesser publications are in draft.

NEWS FROM OUR HONORARY MEMBER
Dr. H.B.S. Cooke

... I apologise for not having written then but the position is that I am only an Honorary member and am now retired so have little involvement with students and no direct work in Physical Anthropology. I am continuing to write up the results of researches on fossil mammals in Africa, especially Suidae, and a paper on the fossils from Taung in the University of California collections appeared recently as a chapter in "Apes to Angels" edited by Geoffrey Sperber. I am now busy with one on Dinofelis from Bolt's farm, hopefully to be published later this year. Other lesser publications are in draft. If you want specific details for the next Newsletter, please let me know....

(Thank you very much for your interest in our Newsletter, Dr. Cooke. The Editor.)

FROM OUR MEMBER, PROF. OF. MERBS FROM ARIZONA STATE UNIVERSITY:

In addition to publishing a paper entitled: "Spondylolysis: its nature and anthropological significance" in the International Journal of Anthropology Vol. 4, no. 3 p. 163-169, 1989, Dr. Merbs comments about the mistake made in the book by Kennedy and Iscan: **Reconstruction of Life from the Skeleton:**

If any CAPA members bother to read the "Contributors" section of **Reconstruction of Life from the Skeleton** by Iscan and Kennedy (1989), they will be told that I am a "Fellow of the Canadian Association for Physical Anthropology" (page xi). Let me hasten to assure them that I have not awarded myself a status that does not exist. The "Fellow" somehow slipped down from the organization mentioned just above CAPA, the Arctic Institute of North America. Sorry about that.

Sincerely,

Chuck M.

Charles F. Merbs
Professor (and Regular
Member of CAPA)

NEWS from the UNIVERSITY of CALGARY, Alberta
were provided by Prof. S. M. Reid:

FACULTY

Paterson, J. D. (BA, MA, PhD [U. Tor.])

Publications:

Paterson, J. D., "Comment--Bergmann's Rule Invalid: A Reply to V. Geist." *Canad. J. Zoology*, 68:1610-1612.

———, "Book Review: A Theory of Human and Primate Evolution--Colin P. Groves." *Amer. J. Phys. Anthropol.*, 81:451-452.

———, "Book Review: Woman In the Mist--Farley Mowat." *Forest and Conservation History*, 34(2):97-98.

———, "Book Review: Primate Origins: A Theory of Human and Primate Evolution--Colin P. Groves." *Amer. Scientist*, 78(4):372-373.

———, *Primate Behaviour Exercises* (Version 2.3), Department of Anthropology, University of Calgary.

———, *Primate Functional Anatomy* (Version 3.0). A dissection guide for Anthropology 355. Department of Anthropology, University of Calgary.

Publications In Press:

Paterson, J. D., "The Budongo Forest, Bunyoro, Uganda: An Ecological and Historical Perspective." *Forest and Conservation History*.

———, "An Alternative View: Behaviour as a Multi-Causal Strategy for Survival." In *The Cogence of Cognition*, F. D. Burton (ed.), Edwin Mellen Press.

Groves, C. P. and J. D. Paterson, "Testing Hominoid Phylogeny With the PHYLIP Programs." *J. Hum. Eval.*

Paterson, J. D., "The Human Career: A Puzzlement," Review of *The Human Career: Human Biological and Cultural Origins*--Richard G. Klein. *Amer. J. Primatol.*

Contributions at Professional Meetings:

Paterson, J. D., "Adaptive Landscapes and a Model for Centripetal Speciation," presented at 18th Annual Meeting of CAPA, Banff, AB (Dec. 1).

Tillekeratne, S. and J. D. Paterson, "The Social Dynamics of an Atypically Organized Group of Japanese Macaques (*Macaca fuscata*)," presented at 18th Annual Meeting of CAPA, Banff, AB (Nov. 30).

Research:

Summer 1990 STEP project: S. Tillekeratne collected 125 hours of observation on the behaviour, time budgets, and posture use pattern of a captive group of *Macaca fuscata* at the Calgary Zoo. Analysis will continue over the winter of 1990-1991.

NSERC application submitted for a 3 year study of circadian rhythms and behavioural thermoregulation among the *Macaca fuscata* population of the South Texas Primate Observatory.

Research and writing continues for senior textbook *Systematics, Evolution, and the Order Primates*, as well as work on: "The Order Primates: An Introduction," M. E. Stevens and J. D. Paterson (eds.).

Pavelka, M. S. McDonald (PhD [U. Alberta])

Publications:

Pavelka, M. S. McDonald, 1990, "Do Old Female Monkeys Have a Specific Social Role?" *Primates*, 31 (3):363-373.

Publications in Press:

Pavelka, M. S. McDonald, 1991, "The Interacting Effects of Age and Rank on the Sociability of Adult Female Japanese Monkeys." In L. M. Fedigan and P. J. Asquith (eds.), *The Monkeys of Arashiyama: 35 Years of Research in Japan and the West*. Ithaca: SUNY Press.

———, "Sociability in Old Japanese Monkeys, Human versus Nonhuman Primate Aging." (accepted with minor revisions, September 25, 1990, by *American Anthropologist*).

Contributions at Professional Meetings:

Pavelka, M. S. McDonald, "Old Female Japanese Monkeys: Questions Old and New," presented at Wenner-Gren sponsored conference: "Women Scientists Look at Evolution, Female Biology, and Life History," Santa Cruz, California (August, 1990).

Research:

Pavelka, M. S. M. and L. M. Fedigan, Invited Paper (Menopause: Primatological and Evolutionary Perspectives) to *The Yearbook of Physical Anthropology*, due 01 January, 1991.

GRADUATE STUDENTS

Cunneyworth, P. (BA [S.F.U.])

Research Completed:

"Reconciliation among semi-free ranging Japanese macaques (*Macaca fuscata*).", June-Dec., 1990; research towards M.A.

de Vries, A. (BSc [U. Calg.])

Contributions at Professional Meetings:

de Vries, A. and K. E. Glander, "Responses of mantled howling monkeys to translocation," presented at 18th Annual Meeting of CAPA, Banff, AB (Nov. 30).

Research Completed:

An observation study of the behaviour and ecology of mantled howling monkeys (*Alouatta palliata*) following translocation in Costa Rica. April-August, 1990; research towards M.A.

Research Proposed:

de Vries, A. and K. E. Glander, "Translocation of mantled howling monkeys in Costa Rica," paper planned for presentation at AAPA Meetings, Milwaukee, Wisc., April, 1991.

Continuing research and study of translocated howling monkeys.

Giancarlo, C. (BA [U. Calg.])

Research Proposed:

"The Effects of Sibling Birth on Mother-Infant Relationships in Semi-Free Ranging Japanese Macaques (*Macaca fuscata*). Scheduled for Jan.-May, 1991; research towards M.A.

Reid, S. M. (BA [U. Vic.])

Research Proposed:

An observational study of the posture and behaviour of semi-free ranging Japanese macaques (*Macaca fuscata*), with reference to postural congruence. Scheduled for summer, 1991; research towards M.A.

Wyman, T. (BSc [U. Calg.])

Research Proposed:

An observational study of the behaviour of captive bonobo chimpanzees (*Pan paniscus*). Scheduled for summer, 1991; research towards M.A.

NEWS FROM FRAC, GARY HEATHCOTE, UNIVERSITY OF GUAM

Gary reports that he is currently involved in two research projects. The first is still in the design stage and will begin in the fall of 1991. He will explore, together with Dr. A. Loerzel (Chief Pathologist at the Guam Memorial Hospital) changes to the frontal bone (possibly thickening of the diploid layer) in individuals who died from two related neurodegenerative diseases, amyotrophic lateral sclerosis (Guamanian) and Parkinsonism Dementia Complex. Both are at extremely high levels in Guam. The former is identical to Lou Gehrig's disease re symptomology, but there are neurodegenerative changes at the histological level which are akin to Alzheimer's disease. Loerzel has felt that ALS/PDS patients have characteristic, if not pathognomonic, changes to their frontal bones. There will be the first attempt at verifying/quantifying these changes. It will also be possible to see if preclinical changes to the frontal bone are detectable.

In a second project, he, together with D. Hanson (Forsyth Dental Center in Boston) and T. Bromage (CUNY-Hunter College) will explore the meaning of some unusually robust tubercles and moundings located at three sites on many of the more robust crania from the Mariana Islands collection. These skulls have been recovered from sites on Guam, Saipan and Tinian. The anatomical locations are as follows: (1) Trapezius attachment site on occipital; (2) superior oblique site on the occipital (some are like accessory mastoid processes in appearance); (3) tubercles at the periasterion region (possibly due to heavy duty usage of the sternocleidomastoid and splenius capitis (changes to clavicle are consistent with this interpretation). These hyperostotic developments appear to be geographically circumscribed, at least the real ones appear to be found in the Marianas alone. What geographically circumscribed chronic activity pattern may have induced these changes? The above assumes that the changes represent "occupational markers". They are also working on alternative etiological hypotheses.-- So far from Gary on Guam.

NEWS FROM:Queen's University, Kingston

Sorry to have missed seeing you in Banff. The past fall was very eventful, and this will surely happen only once in a lifetime: two invitations to Conferences in Japan! The first, in Kyoto, September 24-29 had delegates mainly from Japan, but also I and Christy Turner from North America, four or five researchers from Guam, Hawaii (Mike Pietrusewski) and China, talking on "The Japanese as a Member of the Asian and Pacific Populations". The range of topics included archaeology, skeletal anthropology and genetics.

One of the most delightful papers was on the genetics of indigenous dogs. Apparently the biological distances based on blood groups of dogs parallel very closely those of humans, tracing the same migrations, hybridizations, etc., because of course the domestic dogs follow their people! To me, all the dogs in the photos, from Hokkaido to the highlands of New Guinea, looked just like little nondescript curly-tailed mutts. (But then, that's probably similar to their impressions of us).

The second conference, held in Tokyo in November, was a much bigger international affair. Its title: "The Evolution and Dispersal of Modern Humans in Asia". I'm including the program to give you an idea of the subject matter covered. As far as physical anthropology is concerned, you can see that interest in taxonomy and ethnohistory of modern Homo sapiens is alive and well, even though represented only very sporadically in AJPA over the past several years.

After the Tokyo conference there was an organized tour to Hokkaido where about twenty of us stayed in Nibudani village in the homes of our Ainu hosts. This was a real highlight! The Ainu, are the equivalent in Japan of our own Native people. They have many of the same concerns and grievances. However they are very rapidly becoming assimilated in modern Wajin life and gene pool as young people with no future in the village and rural areas move into the big cities of Japan. On the whole, the people of Nibudani village seemed to be better off materially and in visible signs of morale, than most of our North American Natives. Still, their elders are proud, and determined to remind them of their own language and culture; of the fact that 50,000 place names in Hokkaido are Ainu; that a mere 60 years ago it was an offence punishable by imprisonment to catch even one salmon in the river that had belonged to Ainu people for thousands of years; and that a mere 100 years ago men, and boys as young as twelve, were abducted from their homes to work virtually as slaves in the Japanese-owned fisheries. There is pressure now on the Japanese parliament to have all of Hokkaido recognized as belonging legally to the Ainu.

Back to physical anthropology: it is bones and teeth that have shown undisputably what the prevailing dogma in Japan had long denied: of all living people in Japan it is the Ainu who have the strongest genetic heritage from the Neolithic population, Jomon, 10,000 B.C. - A.D. 300. Wajin Japanese do have some genetic contribution from Jomon but are descended in the main from immigrants who came from Continental Asia 300 A.D. and after, bringing rice agriculture, metalworking and a different language.

THE UNIVERSITY OF TOKYO SYMPOSIUM:

THE EVOLUTION AND DISPERSAL OF MODERN HUMANS IN ASIA

NOVEMBER 14-17, 1990

In recent years we have seen increasing debate over both the evolution and prehistoric dispersal of *Homo sapiens*, and a number of international conferences have been held on these subjects. The resolution of various conflicting theories regarding human lineages and migration patterns are all fundamental to such discussions. However, largely because of language, the evidence from the huge geographical area comprised by Asia has yet to be fully incorporated into international anthropological exchange. In holding this symposium at the University of Tokyo, we hope to present a truly Asian perspective on the problems of human evolution, and so encourage the integration of Asian scholarship with that of colleagues from the rest of the world. The presence and participation of outstanding scholars and researchers from many countries throughout the world, who will be presenting current and innovative research, promises that our efforts here will be highly and mutually beneficial.

Clearly, the building and testing of models is best undertaken with a multi-disciplinary approach, and our discussions here will of course be informed by a number of academic disciplines, including physical anthropology, archaeology, human genetics, and palaeontology.

To facilitate our discussions in the short time we are able to come together, the issues pertaining to "The Evolution and Dispersal of Modern Humans in Asia," have been organized within three major areas. The first of these addresses the origins of modern humans with particular reference to the Levant. Detailed considerations of the palaeontological and archaeological evidence for the relationship between Neandertal and *Homo sapiens sapiens* populations are central to our discussions in this area.

The second area focuses on the debate between the "Out of Africa" versus multi-regional evolution theories, and incorporates a number of subtle and complex perspectives on this issue. This portion of the symposium will devote substantial attention to the views of scholars from Vietnam, India, Indonesia, China and Siberia.

The third area emphasizes the evolution and dispersal of humans within the East Asian region, and the continuation of these processes in the New World. The origins of early Japanese peoples, including the Ainu, are accorded special attention here. This area is of particular interest to many Japanese scholars currently involved in a multi-disciplinary project here in Japan on Prehistoric Mongoloid Dispersals, which is sponsored by the Japanese Ministry of Education, Science and Culture. The present symposium is, in fact, an outgrowth of this project.

NEWS FROM THE DEPT OF ANTHROPOLOGY
-Ethnic Studies- University of Nevada

Drs. Sheilagh and Richard H. Brooks report:

Overview of 1990 Activities

Richard and I attended the American Academy of Forensic Sciences and the American Association of Physical Anthropologists meetings in the spring. We also hosted and celebrated the 10th anniversary of the Mountain, Desert and Coastal Forensic Anthropology Workshop at Lake Mead in early June. Attending the sessions to learn more about our techniques was Dr. Gideon Fell (alias Aaron Elkins). Summer 1990 we flew to Holland where we continued the analyses of the Breda late medieval skeletal series, housed at the Anthro-Osteology Department of the University of Utrecht. While there we prepared a poster on occlusal and linear hypoplasia (observed in 9 individuals from the Breda series) and a paper on a scaphocephalic skull also from that series with Dr. W.R.K. Perizonius. We presented the poster at the European Anthropological Association meetings in Wroclaw and the paper at the post-session Symposium on Palaeopathology in Warsaw.

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NEWS FROM PROF. JOHN T. MAYHALL, FACULTY OF DENTISTRY,
UNIVERSITY OF TORONTO

...You asked for some material to use ...for the newsletter, so I thought that I would mention papers that are somewhere in the pipeline and may someday appear in print (see attached).

I am looking forward to returning to Dubrovnik, Yugoslavia this summer to participate in the Anthropology and Health seminars that are an annual occurrence. Many of our members have gone and know what a great place for a meeting this city is (true even if there is no meeting! the editor). This year's theme is "Who is Normal?: Perspectives on Health and Human Variation" which should be interesting. Bob Meier from Indiana is organizing the course.

A great load came off my back this September when I stepped down as chairman of the Faculty of Dentistry's admission committee. This assignment had lasted for ten years and although I sincerely enjoyed the contact with the students, the bureaucracy was too much to allow me spend another ten years at the grind. Now I can be a researcher and teacher again and maybe have some time for a little thinking on the side.

Also, enclosed is a copy of a bibliography that I have recently assembled from all of the sources I have available to me. The Bibliography of Oral Health of Canadian Natives does not include references to several areas of dental care, dental morphology, or oral pathology, etc. as can be seen on the cover page but it does include more references than I originally thought existed.

My reason for writing is twofold: to inform the readers of the newsletter of its existence and to ask for assistance from your readers in helping to uncover other references that I have not included. If anyone desires a copy, free of charge, please write to me. The only "catch" is that those who receive a copy are asked to examine the document and if they are aware of any missing works to inform me so that an updated bibliography can be assembled. This will be sent to those who respond with corrections, etc. if any other readers have new works on Canadian Native oral pathology that have been published I would appreciate having a copy of the paper or an abstract sent to me for inclusion in this bibliography.

Mayhall JT and Kanazawa E (1989): A three-dimensional analysis of the maxillary first molar crowns of Canadian Inuit. Amer J Phys Anthropol. 78(1):73-78.

Varrela J, Alvesalo L and Mayhall JT (1990): Taurodontism in 45,X females. J Dent Res. 69(2):494-495.

Mayhall JT and Alvesalo L: Sexual dimorphism in the three-dimensional determinations of the maxillary first molar: cusp height, area, volume and position. Proc Sixth Int Symp Dent Morph. (in press).

Mayhall JT: Provision of dental care to the arctic and subarctic regions of Canada: The University of Toronto's role. Proc 8th Int Symp Circumpolar Hlth. (in press).

McDermott PT, Mayhall JT, and Leake JL: Dental therapists and the delivery of dental care in Canada's Northwest Territories. Proc 8th Int Symp Circumpolar Hlth. (in press).

Mayhall JT and Jones DB (1990): Oral health and dental delivery in the circumpolar areas. Arctic Med Res. 49(4):198-199.

Mayhall JT, Alvesalo L and Townsend G: Tooth crown size in Human 46,X,i(Xq) females. Arch oral Biol. (in press).

BIBLIOGRAPHY OF ORAL HEALTH
OF CANADIAN NATIVES*

John T. Mayhall**

*Does not include dental delivery, dental morphology, or references that do not include Canadians.

**Incomplete - please send any references that have been overlooked or corrections to:

Dr. John T. Mayhall
Faculty of Dentistry
University of Toronto
124 Edward Street
Toronto, Ontario
M5G 1G6
Canada

March, 1991

- Albert RJ, Cantin RY, Cross HG, Castaldi CR (1988). Nursing caries in the Inuit children. J Canad Dent Assoc 54(10): 751-758.
- Birkbeck JA, Lee M, Myers GS, Alfred BM (1971). Nutritional status of British Columbia Indians. II. Anthropometric measurements, physical and dental examinations at Ahousat and Anaham. Can J Pub Health 62: 403-414.
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- Cybulski JS (1982). Human skeletal remains from Plum Point and bio-temporal identification in Ontario prehistory. Ont Archaeology 37: 17-28.
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News from the University of Toronto:

Dear Hermann:

I submit the following for the CAPA Newsletter:

University of Toronto (1990-91)

I. Graduate Degrees Completed (Physical Anthropology)

1. Christine White (Ph.D.) (Supervisor: J. Melbye)
Thesis: "Lifespan Reconstruction of Diet in Three Ancient Nubian Populations."
Christine is currently in a tenure stream position at the University of Western Ontario (London).
2. Grant Mullen (M.A.) (Advisor: J. Melbye)
Thesis: "Human Osteology of the Warminster Site) BdGv-1) Ossuary."
Grant is on his way to the University of Illinois to study under Linda Klepinger.
3. Karen Streit (M.A.) (Advisor: J. Melbye)
(no thesis)
Karent is on her way to the University of Washington (Seattle).
4. Catherine Ripley (M.A.) (Advisor: J. Melbye)
(no thesis)
Cathi is on her way to Arizona State University and a job in a cranio-facial reconstruction clinic in Tempe. She hopes to finish her Ph.D. with Christy Turner.
5. Bethel Nagy (M.A.) (Advisor: J. Melbye)
(no thesis)
Bethel is already at Arizona State University working on her Ph.D. with Chuck Merbs.

II. Graduate Degrees in Progress (Physical Anthropology)

1. Mark Bostock (Ph.D.) (Advisor: A.K. Ray)
Thesis: "Population Structure and Endemic Disease Stress, Historic Calcutta Hindus 1876-1976."
2. Michelle Proderick (Ph.D.) (Advisor: L.A. Sawchuk)
Thesis: "Marriage Patterns in Historic Fishing Communities in Newfoundland."
3. Wendy Cameron (Ph.D.) (Advisor: L.A. Sawchuk)
Thesis: "Deafness in Three Newfoundland Outports."
4. Antonietta Cerroni (Ph.D.) (Advisor: M.D. Grynopas)
Thesis: "Pathology, Epidemiology and Evolution of Diseases Affecting the Primate Skeleton: An Interspecific Analysis."
5. Leslie Chain (Ph.D.) (Advisor: F.D. Burton)
Thesis: "The Evolution of Asian Macaques."
6. Scott Fairgrieve (Ph.D.) (Advisor: J. Melbye)
Thesis: "Pathological Alterations of Amino Acid Residues in Human Bone."
7. Katherine Gruspier (Ph.D.) (Advisor: J. Melbye)
Thesis: "Weaning Age in Southern Ontario Iroquois Skeletal Populations: Quantification of Dental Attrition Using Moiré Fringe Contourgraphy."
8. Deborah Gustavsen (Ph.D.) (Advisor: A.K. Ray)
Thesis: "Liver Cirrhosis Mortality in Ontario."
9. Andrew Irvine (Ph.D.) (Advisor: L.A. Sawchuk)
Thesis: "Demography in Catalan Bay."
10. Alexander Katsabouris (Ph.D.) (Advisor: J. Mavalwala)
Thesis: "Measures of Population Distance Within a Caste Hierarchy."
11. Janice Morgan (Ph.D.) (Advisor: L.A. Sawchuk)
Thesis: "Diabetes Self-Management Among Native Indian Groups."
12. Shane Parkhill (Ph.D.) (Advisor: F.D. Burton)
Thesis: "Socioecology of Golden Guernons in the Virunga Mountains, Rwanda."
13. Gary Tait (Ph.D.) (Advisor: J. Mavalwala)
Thesis: "Morbidity and Mortality in Migrant Populations."
14. Kathryn McFadden (M.A.) (Advisor: J. Melbye)
Thesis: "Skeletal Analysis of Serpent Mounds Site."

III. Revision of Masters Programme

The faculty anticipates the adoption of a new two year M.Sc. Programme in Physical Anthropology. The new programme will include a series of half-year courses covering the breadth of physical anthropology in the first year and the research and writing of a thesis in the second year. On the good side, the old comprehensive graduate exam will be eliminated.

IV. Major Activities in Planning Stage

- A. The American Association of Physical Anthropologists will be holding their meeting in Toronto in 1992. The University of Toronto will be the official host, and J. Mavalwala and J. Melbye will be co-Chairmen of the Local Arrangement Committee.
- B. A special symposium is being organized by B. Sigmon (see below) in 1991. The symposium will run on Tuesday, Wednesday, and Thursday in Toronto. The CAPA meetings will begin on Thursday evening in Hamilton. If you can arrange to come two days early to CAPA, you will be able to attend both!

Symposium Background

In September 1989, at Liblice, Czechoslovakia, we participated in a symposium entitled "Foundations for Different Approaches to the Study of Human Evolution." At the 1989 Symposium, it was our intention to provide an opportunity for scholars from Eastern and Western countries to meet and exchange views, approaches, information on innovative research, and area reviews of research being carried out in Physical Anthropology/Human Evolution. Since that time, there have been major changes in the countries of Eastern and Central Europe. It seems even more relevant today, that scientists from these countries and from the West, meet, exchange scientific information and discuss their approaches to the study of human evolution, in the contexts that each knows best, i.e. research being carried out in their own country of origin.

This first symposium, we feel, was highly successful. The results are being published in Human Evolution. Nearly 30 people attended and participated in the symposium. It was agreed that a second one in North America would be highly desirable.

The original organizers have applied for funds to support a second symposium in Toronto, Canada. In order to obtain funds for a second symposium, we were required by our granting agencies to meet certain specifications they set up, and also to define this second symposium in more definite terms than was the first one. It was decided that the theme of the symposium would be "PRESENT AND FUTURE DIRECTIONS IN PHYSICAL ANTHROPOLOGY IN EASTERN AND CENTRAL EUROPE". Any money that could be obtained was to be directed toward travelling expenses of major scholars in Physical Anthropology in Eastern and Central Europe. The result is that we have received partial funding (about half of what we asked for), and can therefore go ahead with the organization of the symposium. The following is a tentative list of the speakers at the symposium.

SYMPOSIUM IN TORONTO, CANADA
OCTOBER 29 - NOVEMBER 2, 1991

PRESENT AND FUTURE DIRECTIONS IN PHYSICAL ANTHROPOLOGY
IN CENTRAL AND EASTERN EUROPE

TENTATIVE SYMPOSIUM PROGRAM

Co-Organizers

B.A. Sigmon

V. Lenovicova

| <u>Name</u> | <u>Address</u> | <u>Title of Presentation</u> |
|---------------------------------------|--|---|
| A. Fistani and and A. Dhima | Laboratori i Paleontologjise Humane Prehistorise ILP "Luigj Gurakuqi" Shkoder, Albania Centre of Archaeological Research Laborary of Anthropology Tirana, Albania | ALBANIAN RESEARCH IN HUMAN EVOLUTION |
| A. Kozintsev | Institute of Ethnography 19903Y Leningrad, USSR | PHYSICAL ANTHROPOLOGY IN THE SOVIET UNION: PAST, PRESENT AND FUTURE |
| R.I. Sukernik | Institute of Cytology and Genetics Siberian Branch of the USSR Academy of Sciences 630090 Novosibirsk, USSR | SOVIET RESEARCH ON BIOLOGICAL HUMAN ADAPTABILITY THROUGH STUDIES OF LIVING PEOPLES |
| H. Ullrich | Zentralinstitut für Alte Geschichte und Archäologie Leipziger Strasse 3/4 Berlin, Germany | REPORT ON THE INTER- DISCIPLINARY STUDIES IN "PROBLEME DER MENSCHWERDUNG" (ORIGINS AND EVOLUTION OF HUMANS) |
| J. Slipka | Dept. Histology and Embryology Faculty of Medicine Charles University Plzen, Czechoslovakia | CZECHOSLOVAKIA: HUMAN EVOLUTION IN A MICROCOSM |
| L. Kordos | Hungarian Geological Institute Neostadion u. 14 H-1143 Budapest, Hungary | PALEOANTHROPOLOGY IN HUNGARY |

Tentative Symposium Program - continued

- | | | |
|--------------------|--|--|
| J. Piontek | Department of Anthropology Adam Mickiewicz University ul. Fredry 10, PL-61-701 Poznan, Poland | PHYSICAL ANTHROPOLOGY IN POLAND; PRESENT AND FUTURE DIRECTIONS |
| J. Radovic | Geologski Paleontoloski Musej 41000 Zagreb Demetrova Ulica 1 Yugoslavia | HUMAN EVOLUTIONARY RESEARCH IN YUGOSLAVIA |
| V. Leonovicova | Laboratory of Evolutionary Biology Na Folimance 11, 120 00 Prague 2, Czechoslovakia | PARTS I AND II - SURVEY OF CENTRAL AND EAST EUROPEAN APPROACHES TO HUMAN EVOLUTIONARY RESEARCH: SHIFTS IN APPROACHES WITH SHIFTS IN THE TIMES |
| and B.A. Sigmon | Dept. of Anthropology University of Toronto Canada | |

NEWS FROM TRENT UNIVERSITY

Joseph So (Trent) gave a paper on Traditional Chinese Medicine (TCM) in treatment of psychiatric disorders at the Fifth Conference of Health Problems related to the Chinese in North America, held in Toronto last June. He also edited the Symposium, sponsored by Health and Welfare Canada and the Ministry of Health (Ontario). Upcoming activities include a paper on Epidemiologic analysis of TCM in treatment of schizophrenia and depression, to be presented at the Canadian Association of Medical Anthropology, London, Ontario, May 9th to 12th. Sabbatical plans for second term of 1991-92 academic year include a return to cross-cultural psychiatry research at the Suzhou Medical College, Peoples' Republic of China as well as a short residence as visiting scholar at the Anthropology Department, Chinese University of Hong Kong.

Hermann Helmuth conducted research at the University of Munchen's Institute fur Anthropologie und Humangenetik during his half-sabbatical. The institute houses some 20,000 skeletons, from many areas of the world, such as Peru and Egypt, but most importantly from Bavaria itself. He was collecting dental (metric and non-metric) data on the Row-grave burial site of Altenerding (approx. 400-650 A.D.) in addition to non-metric data on the skull. During a trip to Cechoslovakia, he gave a public speech at the National Museum of Natural History in Prague on "Science and Christianity: Evolution and Creationism", and a seminar on odontology at the Katedra Antropologii in Prague. Other lectures were given at the Institutes of Anthropology in Munchen and in Mainz. A paper on "Lucy's" height and on Creationism are in the making. His graduate student, Marion Maar, has just finished her first year course requirements and will start to work on her Master's thesis. Her topic is something like, "A trace element analysis of dental Calculus and the nutritional status of the ancient Maya from Lamanai." In a fourth year project jointly with the Biology Dept. Ms. T. Varney works on a microscopic analysis of human versus domestic animal bone.

NEWS FROM THE UNIVERSITY OF WATERLOO

Prof. Anne Zeller sends us the following useful letter and news:

Enclosed is a short piece on producing videos for teaching purposes which I had sent to the AAA newsletter under the Society for Visual Anthropology column. I did show the videos on Hominid Evolution, called Human Evolution I and II at the New Orleans AAA meeting and got very good responses, from people like Charles Bishop and Donald Leiberman. ... I would also be grateful if you could make a note under News or Events that "The Society for Visual Anthropology runs a film and video screening in May of each year for visual material produced during the proceeding two years". I would particularly like to draw this to the attention of CAPA members because the society is really looking for material from Physical Anthropologists. They assume a basic level of production skill, but the Awards for Excellence are directed to films which show innovation, attention to anthropological ideals, and usefulness both in classroom and public education. Several student films won an award this year, and as a jury member I can say that primary attention was paid to the films' goals rather than the production quality. In other words, budget is not a necessary earmark of success. Films made during the previous two years are eligible and entry forms can be obtained from Dr. Joan S. Williams Anthropology Film Centre, P.O. Box 493, Santa Fe, NM. 87504, USA. These forms should be returned to her by the end of January, so anyone who is interested for this year should act quickly.

THE REAL THING or ARTISTIC VERISIMILITUDE (from A. Zeller)

In teaching many occasions arise when you wish you could show students an example of what you are talking about. In some cases slides or films are available to illustrate your point, but often nothing is really suitable. This is even more pronounced in cases where you are teaching students you never see as in correspondence courses presented on audio-tape and written material. At the University of Waterloo, Ontario, Canada, we have an extensive correspondence program in which I teach courses in Human Evolution and Primate Behaviour. The Human Evolution course, in particular, differs from the on campus version of the course in absence of labs, in which students have the opportunity to see and handle casts of primate skulls and fossil hominid material. After teaching this course both on campus and by correspondence by several years, I decided to make a teaching video, in which I present a condensed version of the laboratory sessions in order for students to see exactly what the differences in shape and size of developing fossil hominids that the text and I refer actually look like. These videos are intended to

serve as a basic explanation and visual guide to the development of fossil forms leading to modern humans, beginning with Aegyptopithecus from 28 million years ago. Close ups, comparisons, and an introductory explanation of morphological feature are combined to make the presentation as clear as possible for those who have no other visual access to the material. The student responses to these videos has been very positive and I now use them for review in my on campus courses, as well as in correspondence. I would like to encourage others to consider using this teaching format, since with competent audio-visual help, it is not too difficult to produce a useful teaching aid.

NEWS FROM MCMASTER UNIVERSITY:

Anne Keenleyside spent the summer of 1990 at the Smithsonian Institution conducting research for her dissertation. The focus of her study was a collection of pre-contact and late pre-contact/contact period human skeletal remains from Point Hope and Point Barrow, Alaska. These samples were examined for a series of pathological conditions, the goals of the project being to assess the pre-contact health of the Alaskan Eskimos as indicated by their skeletal remains, to examine temporal changes in the health of these populations, and to assess the effects of European contact on the health of the Alaskan Eskimos. Anne plans to return to the Smithsonian this coming summer to conduct a similar analysis of skeletal collections from the Aleutian Islands. A paper co-written with Robert Mann (Dept. of Anthropology, National Museum of Natural History), reporting on a congenital abnormality observed in a skeleton from Point Hope is scheduled to appear in the January 1991 issue of the Journal of the American Podiatric Medical Association.



The UNIVERSITY of WESTERN ONTARIO

Office of the Dean • Faculty of Social Science

NEWS from the UNIVERSITY OF WESTERN ONTARIO (LONDON)

by Prof. E.J.E.Szathmary and C. White.

It was particularly rewarding to get a long letter from the Dean of Social Sciences, Prof. Emőke J.E.Szathmary who must still be extremely busy looking after business such as that providing by a member of the Psychology Dept. ... not to give any names).

She writes:

I don't have much news to send you about my own activities this year. I've been "in the job" two years, so I am no longer a novice. The one truly wonderful aspect of the job is meeting a lot of very interesting people, none of whom mind telling me about their research. I have learned a lot this way, and I hope to learn more in the years left to me. Otherwise, dean's jobs are about problem professors, problem students and massive budget cuts, none of which are worth writing about.

The fourth issue of the Yearbook of Physical Anthropology under my editorship is in press now, with the issue expected to be mailed out before the end of the year. I have one more issue to go, and then will rejoice that my term as editor is over. While it is an honour to be named editor, and one does learn a lot by doing it, the Yearbook is exactly the same amount of work as if I were to edit one book a year. Actually, it is more work, because all manuscripts are reviewed by at least two reviewers, and I read their comments plus I comment separately on each paper, and I also read editor's proof. The exercise has kept me on my toes, but I won't mind taking a back seat in another year's time.

I am about 3/4 of the way through my first year as President of the Human Biology Council. To date the job has been easy -- mainly because Susan Pfeiffer agreed to organize next year's (1991) scientific program. Susan always does a super job, whatever she undertakes, and I was lucky that she agreed to take on this task.

Regarding my own work, I have published two papers this year -- titles and places listed below:

Szathmary, EJE and RE Ferrell (1990) Glucose level, acculturation, and glycosylated haemoglobin: An example of biocultural interaction. Medical Anthropology Quarterly 4:315-341.

Young, TK, Szathmary, EJE, Evers, S, and B. Wheatley (1990) Geographical distribution of diabetes among the native population of Canada: A national survey. Social Science and Medicine 31:129-139.

There are two book chapters now in press, and I have two more papers nearing completion. It would be nice to be able to finish them before Christmas, but I am not too optimistic.

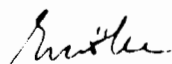
I took part in four meetings in 1990. In late May, I gave one of the plenary lectures at the 8th International Congress on Circumpolar Health, held in Whitehorse, Yukon. In early May, I gave an invited lecture to the Canadian Association of Medical Anthropologists which met in conjunction with the Canadian Anthropology Association in Calgary. I enjoyed both of these "western" events, but not as much as the lecture I was invited to give to the Association of Genetic Counsellors of Ontario in June. That group met at Manitowaning on Manitoulin Island, about 6 miles from my first fieldwork location (for my PhD). I had not been back to the community since 1975 -- and so it was great fun to see people again after a hiatus of some 15 years. I had more white hair than did they, but not even my Ottawa friends escaped the effects of time. My last lecture for this year was in Minneapolis in early November, for a conference on Diabetes & Native Peoples. Although the timing was really rotten for me, the Assembly of First Nations invited me to take part. Such requests come rarely, and I juggled things as best I could to participate.

Hermann, I haven't spoken about students because here I have none. I miss this, but the situation is not likely to change in the near future. On the other hand, there is one good thing to report: Mike Spence and I are lucky to have had Christine White join us in Anthropology. Whenever I go down to my office in the department, Christine is in -- and so I do get to hear about her concerns and interests -- and as always -- I have a chance to learn.

Members of the CAPA may be interested in receiving the Northern Health Research Bulletin, published by the Northern Health Research Unit, Department of Community Health Sciences, University of Manitoba, 750 Bannatyne Avenue, Winnipeg, Manitoba R3E 0W3. Kue Young now directs the unit, and it also includes medical anthropologists Joe Kaufert and John O'Neill. I've found the Bulletin packed with useful information, especially about recent publications that pertain to biomedical issues. Human Biology oriented CAPA members may also find the Bulletin helpful.

This is all the "news" for now. I assume you are well. I assume your work is going well. And isn't the reunification the most miraculous event of this century? I didn't think it would occur in my lifetime. Whatever the political and economic problems -- I think the Germans are lucky. I wish the fates held a similar thing in store for the land of my birth (my father was a Székely from Transylvania), but I think the fates' attention is always focused away from that little corner of the world. And Canada looks, only to sell CANDU reactors!

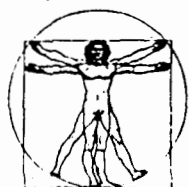
All the best,



Emöke J.E. Szathmary
Professor and Dean
Faculty of Social Science

Christine White reports that the resources for Physical Anthropology have been markedly increased over the past year. They now have two new labs devoted to the field; a functional teaching lab, and a large wet lab containing equipment for chemical preparation of tissues. They have been able to build their fossil cast and skeletal collections with the help of a large university grant, and will continue to work towards increasing their teaching resources. The curriculum has also been significantly altered. In addition to the established core course in Biological Anthropology, the department is now offering four new courses; Human Population Genetics, Skeletal Biology, Anthropology of Food and Nutrition, and Medical Anthropology. Christine White successfully defended her Ph. D. dissertation (from the University of Toronto) entitled "Isotopic Analysis of Multiple Human Tissues from Three Ancient Nubian Populations". She plans to continue research on Nubian and Mesoamerican material with the help of a large SSHRC operating grant given to her and Dr. Henry Schwarcz, McMaster University.

Michael Spence continues his research on the Oaxacan barrio, Ixilolacan, at Teotihuacan which is also supported by an ongoing SSHRC grant. He has not, however, been exclusively devoted to his Mesoamerican research. Mike has been actively engaged in skeletal analyses of Ontario sites, most notably Keffer, Wise and Stirrup Court.



X INTERNATIONAL SYMPOSIUM ON MORPHOLOGICAL SCIENCES

Toronto ■ Ontario ■ Canada

July 1-5, 1991



REGISTRATION

This registration form will not be valid unless accompanied by the appropriate registration fee made out to:
X ISMS, Department of Anatomy, University of Toronto.

Remittance must be in Canadian or US Dollars in accordance with the rates shown below, and mailed to:
Professor Anne Agur, Department of Anatomy, Faculty of Medicine, University of Toronto, Toronto, Canada M5S 1A8.

Please type or print all information.

Please indicate the title you prefer ☐ Prof. ☐ Dr. ☒ Ms. ☐ Mrs. ☒ Mr. ☐ Other _____

Last Name _____ First Name _____
(Family Name)

Please give complete address that is to be used on all mailings:

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City _____ Province/State _____

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☐ Yes, I wish to present a paper or a poster demonstration.
If the above box is checked(✓), an abstract form will be sent to you.

REGISTRATION FEES

| | BEFORE ^{Oct.} OCT. 1/90 | | AFTER OCT. 1/90 | | AFTER APR. 1/91 | |
|------------------------|----------------------------------|----------|----------------------------|---------------------|-----------------|----------|
| | CDN | US | CDN | US | CDN | US |
| Scientist | \$270.00 | \$225.00 | \$315.00 | \$250.00 | \$350.00 | \$275.00 |
| Student | \$90.00 | \$75.00 | \$120.00 | \$100.00 | \$150.00 | \$125.00 |
| Accompanying Person(s) | \$96.00 | \$80.00 | \$150.00 | \$125.00 | \$180.00 | \$150.00 |

The above prices include the Opening Reception, Cultural Evening, Gala Banquet, Exhibitors' Luncheon, and coffee/tea/soft drinks.

The following are available at registrants' cost:

- ☐ Extra tickets for Opening Reception - \$30.00 CDN/\$25.00 US
- ☐ Extra tickets for Cultural Evening - \$18.00 CDN/\$15.00 US
- ☐ Extra tickets for the Gala Dinner - \$54.00 CDN/\$45.00 US

If interested in these or other tours, please check (✓)

- ☐ Tours of the City of Toronto ☐ Harbourfront ☐ McMichael Gallery ☐ Royal Ontario Museum
- ☐ Niagara Falls ☐ Other _____

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| Extra tickets for Opening Reception | _____ X \$30.00 CDN _____ X \$25.00 US | \$ _____ |
| Extra tickets for Cultural Evening | _____ X \$18.00 CDN _____ X \$15.00 US | \$ _____ |
| Extra tickets for the Gala Dinner | _____ X \$54.00 CDN _____ X \$45.00 US | \$ _____ |
| Total Remittance | | \$ _____ |

☐ CDN/ ☐ US

The X. International Symposium on Morphological Sciences

Toronto/ Ont. July 1 - 5, 1991

Scientific Program

Monday, July 1: registration

Tuesday, July 2: Symposia: Human Anthropology and Anatomy:
Organizer: Dr. Phillip Tobias:

Dr. W. Jungers: Design and Function of the
Locomotor System in Fossil Hominids.

Dr. G. Conroy: Paleobiology of Early Hominids
The Contribution of Medical Imaging (CT)

Dr. P. Tobias: Brains, Veins, and Arteries:
Lessons from the Past.

Other symposia of possible interests to the Physical
Anthropologist/Human Biologist include:

Teratology: From Animal Studies to Human Application.

The Blood-Brain Barrier.

The Development of Compartments in the Mammalian Brain.

The Development of Embryonic Morphology.

Current Concepts in Craniofacial Embryology.

Utero-Placental Homeostasis.

Vesicular Transport.

Continuous Renewal of Gastric Epithelium.

The Cellular Basis of Ageing

Frontiers in Imaging.

Comparative Placentation and Gestation in Vertebrates.

For additional information, registration forms, and abstract
forms, contact:

Dr. K. L. Moore, President, Xth Symposium on Morphological
Sciences, Department of Anatomy, University of Toronto,
Toronto, Ontario, M5S 1A8, Canada.

