

THIS IS TO BE SUBSTITUTED FOR PREVIOUS
MEMO.

REPORT TO THE DEAN
OF THE
RESEARCH WORK IN THE DEPARTMENT OF BIOCHEMISTRY.
DURING THE CURRENT YEAR-1932.

The research work which is being carried on in this Department at present may be considered under the following heads:

1. Parathyroid Physiology.
 2. Sex hormones.
 3. Anterior pituitary lobe physiology.
 4. Thyroid hyperplasia.
 5. Assay of cortical hormone.
 6. Modification of insulin effects.
 7. Growth of transplantable tumours.
1. Parathyroid Physiology - Doctors Pugsley and Selye have continued their studies of calcium metabolism and bone histology respectively and their results have cleared up in very large measure some of the hitherto obscure points in parathyroid physiology.
 2. The work on the sex hormones has been continued and very definite progress has been made in regard to the better understanding of the chemical nature and the physiological significance of the various oestrogenic agents.
 3. As a result of the perfection of a method of hypophysectomy in the rat by Doctor Hans Selye, it has been possible for us to study in considerable detail the effects of complete

hypophyseal insufficiency. The hypophysis has been removed from over 600 animals of various ages and a large number of these have been used in the assay of anterior lobe extracts. The effects of treatment of such animals with the various sex hormones of placenta and pregnancy urine, especially of A.P.L., have been studied extensively from the histological as well as the physiological viewpoint.

4. Doctor Evelyn Anderson is studying the thyreotropic action of various anterior lobe extracts.
5. Mr. Kutz is continuing his work on the assay of cortical hormone.
6. The Department of Metabolism of the Montreal General Hospital have for the past year and a half been supporting a full-time research worker in the Department of Biochemistry. Mr. Black, the graduate student who has been selected to carry on this co-operative research, has been attempting to find some rational basis for the apparent effectiveness of the new high carbohydrate diet in the treatment of diabetes. No results of any significance have emerged as yet.
7. Doctor McEuen has strains of both mouse and rat transplantable tumour under observation and it is proposed to treat certain of these with a view to determining whether the growth rate may be modified by certain endocrine extracts.

B. Collip

March 7, 1933.

Dr. A. B. Macallum,
317 Piccadilly Street,
London, Ontario.

My dear Dr. Macallum,

Your letter of the 4th came in this morning. I am so sorry to learn that you have been laid up since returning to London. I wondered what had happened to you, because I did not see you about for the three or four days I thought you intended to spend in Montreal. You must be very careful, particularly so in the uncertain weather of springtime.

I am glad you feel so certain of Collip's election to the Royal Society. Eve told me that twelve were selected for election, whereas not as many as twelve could be elected, and I was not saying anything until the cat was in the bag. You have a record to be proud of, in that three of your students have received so high a distinction. I congratulate you most warmly.

What heart-searching there must be across the line, and how humbled our friends should feel!

With all good wishes to Mrs. Macallum
and to you,

I am,

Ever yours faithfully,

Principal

317 PICCADILLY STREET
LONDON, ONTARIO.

March 4, 1933.

Dear Sir Arthur -

I am delighted that Dr
Collip has been selected for election
to a Fellowship in The R.S., which
election will infallibly take place
on May 4th next.

I congratulate McGill!

He is the friend of my
students - The others F. R. Miller
of here and Davidson Black
of Peking - who were elected last
year - and ^{all of} whom I got
nominated

I am going to absolve
myself from any more
nominations

When in Montreal

I had The Flu and Therewith
a terrible attack of rheumatism
which kept me in bed in the
University Club for ten days -
I am only now nearly recovered
but I have to be careful
for several weeks more. This
illness prevented me from
calling on you a second time.

With best wishes,

Yours sincerely

A. B. MacCallum

Principal Sir Arthur W. Currie,
K.C.B., G.C.M.G.,
&c,

McGill University,
Montreal.

317 PICCADILLY STREET
LONDON, ONTARIO.

March 8, 1933-

Dear Sir Arthur,-

Professor Eve is quite wrong
in what he told you regarding the
election to the R.S.

Since 1847 the Council of the
R.S. has annually selected from the
Candidates a member for election
to the Fellowship a member which on
the average will keep the membership
about constant. The number up till
1930 was fifteen and since then
seventeen. The selections are each
year listed on a ballot paper sent
to each Fellow of the R.S. but never
once since 1847 have the selections,
not even one of them, have been rejected
by ballot which now is regarded as
a mere formality.

Consequently now as in the last
eighty years, the selection of a candidate
by the Council is at once regarded

as election to the Fellowship and
in consequence, even before the
formal election in the first week of
May, in public or press notices
and in letters addressed to him
he is accorded the 'F.R.S'

Would you kindly inform
Dr. Collip of all this?

I still am a bit "under
the weather"

Thos Macathum joins
me in regards to you and
Lady Currie.

Yours sincerely
A.B. Macathum

Mrs Arthur W. Currie, G.P.M.S., K.C.B.
K.C.S.

March 10, 1933

Dr. A. B. Macallum, F.R.S.,
317 Piccadilly Street,
London, Ontario.

My dear Dr. Macallum,

Since writing to you a few days ago, to which letter I have now received your reply, I have learned that, as you pointed out, Eve was quite wrong in what he said. Only the other day in talking with Collip he told me that he was assured that the election early in May is but a mere formality and he thinks there is nothing which can interfere now with his being formally elected to Fellowship. We are proud for his sake, for the University's sake, and I am quite proud for your sake.

You must be very careful of yourself; I would not feel anxious at all if summer were here, but I know just how unpleasant the days in March and April can be.

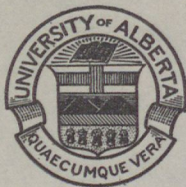
With all good wishes,

I am,

Ever yours faithfully,

Principal

DEPARTMENT OF BIOCHEMISTRY



EDMONTON, ALBERTA
CANADA

November 8th. 1927.

Sir A.W. Currie,
President,
The University of McGill,
Montreal.

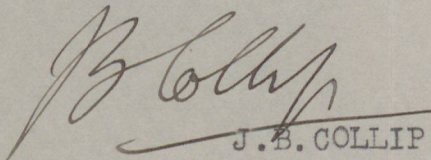
Dear Sir Arthur,

I owe you an apology for the delay in acknowledging the receipt of your letter of October 17th. I had hoped to be able to discuss the matter fully with Dr. Tory but as he is now in the East it will be some days before I will be able to see him. I am delighted to know that my old friend Professor MacCallum will be quite happy to retire next June. I will make my plans to come to Montreal somewhere about that time.

Needless to say I am looking forward with keen anticipation to taking up my post at Montreal.

With very kind regards,

Yours sincerely,


J.B. COLLIP.

Professor of Biochemistry.

October 19th, 1927.

Professor J. B. Collip,
Department of Biochemistry,
University of Alberta,
Edmonton, Alta.

My dear Professor Collip:-

I have had a chat with Dr. Macallum, who is very pleased that you are to be his successor. Professor Bliss is also glad to have the opportunity of working with you. Macallum understands that he is to vacate the office as soon after the first of next June as possible, as that is the date which I have informed him you will take over.

Now that I have spoken to Macallum and Bliss, and the arrangements have been approved by the Finance Committee, I am sure the news is bound to leak out. In the circumstances I think it only courteous for me to write to Dr. Tory. From what I hear I believe he will not be surprised to learn that you contemplate leaving. Dr. Martin spoke to Dr. Rankine some months ago and Rankine is also prepared.

I hope Mrs. Collip's health continues to improve.

With all good wishes, I am,

Yours faithfully,

Principal.

Collip

April 16th, 1924.

Private and confidential

Dr. J. B. Collip,
Professor of Bio-chemistry,
University of Alberta,
Edmonton, Alta.

Dear Dr. Collip:-

As you know Professor A. B. Macallum is head of the Department of Bio-chemistry here. His assistant has resigned his position in order to join the staff of the University of Pennsylvania. It was not that he desired to leave McGill, but Dr. Martin advised that the climate of Philadelphia would suit him much better than the climate of Montreal.

In a few years it must be that Dr. Macallum will resign. He has practically reached the age limit now although he is still full of vigour, enthusiasm and usefulness. You may know the Medical situation at McGill as well as I do, but I believe we are beginning a period of great advancement. The new Biological laboratories were opened a year or so ago and the new Pathological Institute is now complete and ready for occupation next session. It is generally regarded as the finest Pathological building on the continent, while the Biological laboratories are considered very fine indeed. We hope in the course of a few weeks to be able to announce the establishment of a University clinic in one of the Hospitals and we also feel that in the near future interesting announcements will be made regarding the departments of Public Health and Psychiatry. I believe that our Medical School has taken on anew lease of life and will rapidly

Dr. J. B. Collip - 2 -

regain any prestige which some critics think it has lost.

I am writing to ask you confidentially whether you would consider joining Macallum's staff with the understanding that when he retired you would have charge of the Department. I know you are head of the Department at Edmonton, but yet I feel you would not regard joining a department presided over by Macallum, who is the doyen of Bio-chemists, as something which your prestige would not allow you to do. If you are willing to consider this matter at all we can discuss terms. Furthermore, if you will consider it I shall approach Dr. Tory and tell him that I am asking you if you are willing to be considered for a position on our staff.

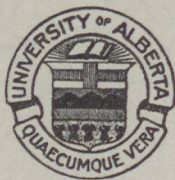
If you are not willing to consider the suggestion, both of us will agree to keep the matter to ourselves.

Hoping to hear from you soon,

I am,

Yours faithfully,

Principal.



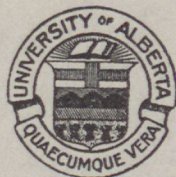
April 25

Sir Arthur W. Currie
Principal
McGill University
Montreal.

Dear Sir Arthur, -

I wish to acknowledge receipt of your letter of April 16th and to thank you for the offer of a post at McGill. To be perfectly frank I wish to remain at Alberta for some little time yet. I have spent a number of years now in building up a department and it is only now that I have a satisfactory organization and it is only now that I would therefore like to be enabled to reap the benefits of this. Also I have a family of three young children and I do not think that a large city is the proper place to raise a family. To Professor Macallum I owe a great deal and I have the highest respect for him. I have it that the post which you suggest is a teaching post in his department. I have already gone through quite a mill of teaching and am now enjoying what is practically a research post since I have a sufficient staff to handle most of the arduous work of teaching

DEPARTMENT OF BIOCHEMISTRY



EDMONTON, ALBERTA

If at a later date a research post should become available at McGill and you should then care to consider me I would be very glad to consider an offer.

Thanking you very kindly for thinking of me

Yours sincerely
J. B. Collip