

Government of Madras.

EDUCATIONAL DEPARTMENT.

Recd.

Regd.

} 1911.

Enclosures

Spare copies

G.O., No. 151, 15th March 1911.

Affiliation of Colleges.

Sanctioning the affiliation to the University of Madras of the Presidency College, the Madras Christian College, the St. Joseph's College, Trichinopoly, and the Maharaja's College, Trivandrum, in certain groups of subjects.

Government of Madras.

EDUCATIONAL DEPARTMENT.

Recd.

Regd.

} 1911.

Enclosures

Spare copies

G.O., No. 151, 15th March 1911.

Affiliation of Colleges.

Sanctioning the affiliation to the University of Madras of the Presidency College, the Madras Christian College, the St. Joseph's College, Trichinopoly, and the Maharaja's College, Trivandrum, in certain groups of subjects.

GOVERNMENT OF MADRAS.

EDUCATIONAL DEPARTMENT.

READ—the following papers :—

I

Letter—from F. DEWSBURY, Esq., B.A., LL.B., Registrar, University of Madras.
To—the Secretary to Government, Educational Department.
Dated—Senate House, the 11th February 1911.
No.—339.

I have the honour, by direction of the Syndicate, to submit under Regulation 350 (d), for disposal of His Excellency the Governor in Council, the following applications for affiliation together with copies of the proceedings of the Syndicate and the Senate on the subject, and of the reports submitted by the Syndicate to the Senate :—

(i) From the St. Joseph's College, Trichinopoly, for affiliation in Branches I, II-A, and V of the B.A. degree (honours) courses, and also for further affiliation in Group II-B. of the B.A. degree (pass) courses, and in Group II of the Intermediate courses.

(ii) From the Director of Public Instruction, Madras, for the affiliation of the Presidency College in Branches I, II-A, II-B, III, IV, V, VII and VIII of the B.A. Degree (honours) courses.

(iii) From the Madras Christian College for affiliation in Branches II-A, III, IV, V and VII of the B.A. degree (honours) courses.

(iv) From the Director of Public Instruction, Travancore, for further affiliation of the Maharaja's College, Trivandrum, in Group VI (Two Languages) of the B.A. degree (pass) courses.

It will be observed that at a special meeting held on Friday, 3rd February 1911, the Senate recorded its opinion that affiliation may be granted by Government in each of the four cases submitted.

I have the honour to request that very early consideration may be given to these applications in view of the commencement of the next academic year not later than July 15th, 1911.

ENCLOSURES.

Copies of the Proceedings of the Syndicate in regard to the applications for affiliation submitted to Government.

2nd August 1910.

Considered the question of the appointment of Inspectors to conduct the necessary local inquiries with reference to the applications for affiliation from :—

(i) the Madras Christian College in Group VI B.A. degree (pass) course and in Branches II-A, III, IV, V and VII (honours),

(ii) the St. Joseph's College, Trichinopoly, in Group II (Intermediate), Group II-B., B.A. (pass) course, and in Branches I, II-A, and V (honours),

(iii) the Presidency College in Branches I, II (A and B), III, IV, V, VII and VIII (honours).

Resolved that the applications for affiliation be remitted to the Inspection Commission for the necessary inquiry and report.

16th August 1910.

Considered the following proceedings of the joint meeting of the University Inspection Commission and the Affiliation Committee of the Syndicate held on August 3, 1910 :—

II.—Read applications for affiliation now pending with the Syndicate.

Resolved that the following arrangements be recommended to the Syndicate for the local inquiry in each case :—

College.	Branch or Group.	Inspector.
Maharaja's College, Trivandrum	.. B.A. VI (pass) ..	.. Mr. M. Rangachari.
Presidency College	.. B.A. I (honours) ..	.. }
St. Joseph's College, Trichinopoly	.. Do. ..	.. }
Presidency College	.. B.A. II-A. (honours) ..	.. Mr. A. C. Mitchell.
St. Joseph's College, Trichinopoly	.. Do. ..	.. }
Madras Christian College	.. Do. ..	.. }
Presidency College	.. B.A. II-B. (honours) ..	.. Mr. A. W. Bishop.
Madras Christian College	.. B.A. III (honours) ..	.. Mr. P. F. Fyson.
Presidency College	.. Do. ..	.. Mr. J. R. Henderson.
Madras Christian College	.. B.A. IV (honours) ..	.. }
Presidency College	.. Do. ..	.. Mr. E. Drew.
Madras Christian College	.. B.A. V (honours) ..	.. Mr. H. J. Allen.
St. Joseph's College, Trichinopoly	.. Do. ..	.. }
Presidency College	.. Do. ..	.. Mr. E. M. Maophail.
Madras Christian College	.. B.A. VII (honours) ..	.. }
Presidency College	.. Do. ..	.. Mr. J. G. Tait.
Do.	.. B.A. VIII (honours) ..	.. Mr. P. S. Sivaswami
		Aiyar.
Madras Christian College	.. B.A. VI (pass) ..	.. Mr. M. Rangachari.
St. Joseph's College, Trichinopoly	.. B.A. II-B (pass) ..	.. Mr. A. W. Bishop.
Do.	.. Group II (Intermediate) ..	.. Mr. K. Ramunni
		Menon.

Resolved that the Registrar be requested to communicate these proceedings to the Syndicate by circulation and that it be suggested that some of the local inquiries under II above be carried out at an early date so that the Syndicate's decision regarding the applications may be laid before the Senate Meeting in October.

J. D. W. SEWELL.
E. M. MACPHAIL.
R. LL. JONES.
A. C. MITCHELL.

Resolved that the recommendations of the Committee in regard to

(ii) the arrangements for the local inquiries in the case of those colleges which have applied for fresh affiliation in the Intermediate, B.A. degree (pass and honours) courses be accepted.

1st November 1910.

Read also letter, dated 29th September 1910, from M.R.Ry. K. Ramunni Menon Avargal, B.A., submitting his report on the local inquiry conducted by him in connection with the application for the affiliation of the St. Joseph's College, Trichinopoly, in Group II of the Intermediate course.

Considered also the reports of the various gentlemen appointed to make the local inquiries at the Presidency College in view of the application for the affiliation of that college in Branches I, II-A, II-B, III, IV, V and VII of the B.A. (honours) courses.

Considered also similar reports from the various gentlemen appointed to make the local inquiries at the Madras Christian College in view of the application for the affiliation of that college in Branches II-A, III, IV, V and VII of the B.A. (honours) courses.

Considered also the reports from the various gentlemen appointed to make the local inquiries at the St. Joseph's College, Trichinopoly, in view of the application for the affiliation of that college in Group II-B of the B.A. (pass) course, and in Branches I, II-A, and V of the B.A. (honours) courses.

Resolved that a copy of the report be sent to the authorities of the respective colleges with the request that the Syndicate may be informed within the course of the next fourteen days how and when it is proposed that the deficiencies indicated therein will be remedied and the suggestions made carried into effect.

Read letter dated October 26, 1910, from the Secretary to the College Council, Madras Christian College, intimating that the college withdraws its application for affiliation in Group VI of the B.A. degree (pass) course.

Resolved that the letter be recorded.

Considered the report of Rao Bahadur M. Rangachariyar on the local inquiry made by him at the Maharaja's College, Trivandrum, in regard to the application of the college for affiliation in Group VI of the B.A. degree (pass) course.

Resolved that the report be accepted and that it be a recommendation to the Senate to record its opinion that the application for the affiliation of the Maharaja's College, Trivandrum in Group VI (Two Languages) of the B.A. degree (pass) course be granted by Government.

21st December 1910.

Read letter, dated 25th November 1910, from the correspondent, St. Joseph's College, Trichinopoly, replying to the inspection reports on the application of the college for affiliation in Group II of the Intermediate courses, Group II-B of the B.A. degree courses and Branches I, II-A and V of the B.A. degree (honours) courses.

Read also letter, dated 23rd November 1910, from the Principal, Madras Christian College, replying to the inspection reports on the application of the college for affiliation in Branches II-A, III, IV, V and VII of the B.A. degree (honours) courses.

Read also letter, dated 3rd December 1910, from Mr. P. F. Fyson, submitting his remarks on the letter from the Principal, Madras Christian College, replying to Mr. Fyson's inspection report in connection with the application of the college for affiliation in Branch III (honours).

Read also letter, dated 17th December 1910, from Dr. A. C. Mitchell, submitting his remarks on the letter from the Principal, Madras Christian College, replying to Dr. Mitchell's Inspection Report in connection with the application of the college for affiliation in Branch II-A (honours).

Read also letter, dated 22nd November 1910, from the Acting Director of Public Instruction, Madras, replying to the inspection reports on the application of the Presidency College for affiliation in Branches I, II-A, II-B, III, IV, V and VII of the B.A. degree (honours) courses.

Read also letter, dated 27th November 1910, from the Hon'ble Mr. P. S. Sivaswami Aiyar forwarding his report after inspection on the application of the Director of Public Instruction, Madras, for the affiliation of the Presidency College in Branch VIII (Sanskrit) of the B.A. degree (honours) courses.

Read also letter, dated 29th November 1910, from the Acting Director of Public Instruction in reply to the report of the Hon'ble Mr. P. S. Sivaswami Aiyar.

Resolved that it be a recommendation to the Senate to record its opinion that the above applications for affiliation may be granted by Government.

Extract from the minutes of the Senate, dated 3rd February 1911.

Mr. E. W. Middlemast proposed and Mr. Mark Hunter seconded :

"That the Senate record its opinion that the applications from the St. Joseph's College, Trichinopoly, for affiliation in Branches I, II-A and V of the B.A. degree (honours) courses and also for further affiliation in Group II-B of the B.A. degree (pass) courses and Group II of the Intermediate courses may be granted by Government."

After Messrs. R. Littlehailes and B. Hanumanta Rao had spoken, the proposition was put to the meeting and carried.

The Hon'ble Mr. P. S. Sivaswami Aiyar proposed and the Rev. J. M. Russell seconded :

"That the Senate record its opinion that the application from the Director of Public Instruction, Madras, for the affiliation of the Presidency College in Branches I, II-A, II-B, III, IV, V, VII and VIII of the B.A. degree (honours) courses may be granted by Government."

After Mr. R. Littlehailes had spoken, the proposition was put to the meeting and carried.

The Rev. J. Cooling proposed and the Hon'ble Mr. Justice P. R. Sundara Aiyar seconded :

"That the Senate record its opinion that the application from the Madras Christian College for affiliation in Branches II-A, III, IV, V and VII of the B.A. degree (honours) courses may be granted by Government."

After Mr. R. Littlehailes had spoken, the proposition was put to the meeting and carried.

The Hon'ble Mr. J. H. Stone proposed and Mr. W. J. Prendergast seconded :

"That the Senate record its opinion that the application from the Director of Public Instruction, Travancore, for further affiliation of the Maharaja's College, Trivandrum, in Group VI (Two Languages) of the B.A. degree (pass) courses may be granted by Government."
Carried.

APPENDIX A.

Report of the Syndicate upon the applications from the St. Joseph's College, Trichinopoly, for affiliation in Branches I, II-A and V of the B.A. degree (honours) courses and also for further affiliation in Group II-B of the B.A. degree (pass) courses and Group II of the Intermediate courses.

The Syndicate reports the following correspondence relative to these applications :—

Letter—from the Correspondent, St. Joseph's College, Trichinopoly.

To—the Registrar, University of Madras.

Dated—the 6th January 1910.

No.—1024.

I have the honour to submit my application for the affiliation of this college in English and the following Branches of the B.A. (honours) course :—

Branch I, Mathematics.

„ II-A, Physical Science.

„ V, History and Economics.

The college has already been affiliated for the Intermediate and B.A. degree (pass) courses. It is not necessary, therefore, to repeat the information already given on which the Syndicate has satisfied itself as regards sub-clauses (a), (c), (f), (g) and (i) of Regulation 349 and the promises referred to in the two paragraphs that follow.

It remains then to furnish information on the points indicated in sub-clauses (b), (d), (e) and (h).

(b) *English*.—The Rev. H. J. Quinn, S.J., D.D., will be charged with the English teaching aided by the Rev. F. Billard, S.J., D.D., for the present, but the Rev. Charles Leigh, S.J., who is studying Theology in England at present, will be added to our English staff in 1914.

Mathematics, Branch I.—The Rev. C. Pruvot, S.J., who is a specialist in Mathematics and has taught in this college for four or five years, will be aided by the Rev. J. Céré, S.J., now at Kurseong, who is a good Mathematician, taught Mathematics with success in the B.A. course of this college for two years and is expected to join the Rev. Father Pruvot next year. They will also be aided for the present by a third, one N. Kuppuswami Aiyangar, M.A., in Branch I, and who has already taught Mathematics in this college.

Physical Science, Branch II-A.—The Rev. D. Honoré, S.J., and the Rev. A. Haas, S.J., are our Professors in the Branch now. The Rev. E. Gombert, S.J., has just joined from Shembaganur where he has taught Physical Science for several years and was formerly teaching the same in this college. These will be joined towards 1912 by the Rev. J. Caius, S.J., who is now making special studies in this subject in the University of Paris.

History and Economics.—The Rev. V. Newton, S.J., has been teaching History in the B.A. course for four years in this college and the Rev. J. Castets, S.J., has been teaching Politics and Economics also for several years. These will be joined by the Rev. J. Carty, S.J., at present in Belgium, but who will visit various Universities both in England and on the Continent and make special studies in the subjects he is destined to teach. He was Professor of History in the B.A. course of this college before Father Newton.

I think, therefore, the Syndicate will be satisfied with the names I have now submitted who are specialists in their own branches of knowledge.

(d) A copy of the catalogue of our library is herewith submitted for inspection. We shall, of course, add to it as time goes on, the best works in each subject as they come out and are prepared to add any now that the Syndicate may consider desirable. Besides the general library the Science Branch has its own special library of select works, and we beg to forward herewith a copy of the catalogue of its books together with the names of certain books for the use of the Professors of each class which are also at the disposal of the students. (See the first sentence of Section VII Library, Particular Report of Inspection Commission of 1905 on this college).

(e) Full and complete information has so recently been given in answer to Questions 14 and 17 of the interrogatories sent to the various affiliated colleges in July last that it seems superfluous to add to it. A copy of the answers from this college is, however, appended for ready reference.

(h) As I do not suppose any college nearer than the Madras colleges and the Trivandrum College propose to attempt an honours course, I have little difficulty in giving the required assurance that an affiliation in honours will not be injurious to the interest of education or discipline.

Letter—from the Manager in Charge, Office of the Registrar, University of Madras.

To—the Correspondent, St. Joseph's College, Trichinopoly.

Dated—the 19th August 1910.

No.—2476.

With reference to your application No. 1024, dated January 6, 1910, for affiliation in Branches I, II-A and V of the B.A. degree (honours) courses, I have the honour to inform you that the Syndicate has appointed the following gentlemen to conduct the local enquiries required by section 21 (2) (a) of the Indian Universities Act, and 348 (a) of the Regulations:—

Dr. A. C. Mitchell, for Branches I and II-A.

The Rev. E. M. Macphail, for Branch V.

Letter—from the Manager in Charge, Office of the Registrar, University of Madras.

To—Dr. A. C. MITCHELL, F.R.S.E., and the Rev. E. M. MACPHAIL, M.A., B.D.

Dated—the 22nd August 1910.

No.—2492.

An application having been received from the St. Joseph's College, Trichinopoly, for its affiliation in Branches I, II-A and V of the B.A. degree (honours) courses, I have the honour to inform you that the Syndicate has appointed you to conduct the local enquiry required by section 21 (2) (a) of the Indian Universities Act, and 348 (a) of the Regulations.

I have to request you to be so good as to undertake the duty and submit the report of your enquiry at an early date.

The affiliation application together with its enclosures is herewith sent.

Letter—from Dr. A. C. MITCHELL.

To—the Registrar, University of Madras.

Dated—the 29th September 1910.

I have the honour to forward herewith my report on the application made by St. Joseph's College, Trichinopoly, for affiliation in Branch I (honours) degree.

Report on application for affiliation in Branch I (honours) degree.

I. In accordance with instructions from the Syndicate, I inspected this college on September 5, 1910.

II. The accommodation for honours classes in Mathematics is sufficient, now that the Physics and Chemistry departments have been removed to the new laboratories.

III. The members of the staff who will be engaged in teaching for the honours degree are—

Rev. C. Pruvot, S.J.

Rev. J. Céré, S.J.

An Assistant Professor.

The Rev. C. Pruvot is the present Professor of Mathematics. He was trained locally in the Society under the Rev. Father D'Ranquet. The Rev. J. Céré (who will join the staff next year), had a similar training and was formerly engaged for two years in teaching B.A. (Branch I) classes in the college. The Assistant Professor has not been appointed, but the management intend to secure a person of high qualifications for the post.

The Syndicate will observe that the two Fathers of the Society have not obtained the degree of any recognized University. Their training has been that which is given in the Society itself, and everything depends on what that training amounts to or includes. From the enquiries I made, it appears to me that, in the case of the two Professors, it has certainly been carried to a standard which is sufficiently high for the purposes of the present application.

IV. The books in the Mathematical section of the college library deal almost wholly with the elementary portions of the subject. Beyond this, the Professor has a private library which covers fairly well all the ground which has to be traversed by the honours student in Mathematics. The college library has, therefore, to be largely supplemented for the purposes of instruction to the honours standard. I understand that the management are prepared to do this by the time the classes are begun.

V. Astronomy is included as one of the subjects for Mathematical Honours, and for this purpose it is necessary that the college should be provided with certain astronomical instruments, such as a small equatorial, a portable transit, sextant, and a good chronograph watch. I was informed that the management are prepared to supply these instruments.

VI. I would recommend that the Syndicate lay the application before the Senate with a view to the affiliation being granted.

Letter—from Dr. A. C. MITCHELL.

To—the Registrar, University of Madras.

Dated—the 30th September 1910.

I have the honour to forward herewith my report on the application for affiliation of St. Joseph's College, Trichinopoly, in Branch II-A (honours) degree.

Report on application for affiliation in Branch II-A (honours) degree.

I. Under instructions from the Syndicate, I inspected this college on September 5, 1910.

II. The accommodation provided for the purposes of instruction in Physics is shown in the accompanying plan.

The building is two-storeyed, 160 feet long, with an extreme breadth of 94 feet. A corridor 15 feet broad, runs along its middle length and is lighted from the roof. The rooms used for physics teaching are on the southern side of the corridor. Downstairs there are the following:—

Physics lecture room	30' x 30'
Dark room	14' x 30'
Laboratory	92' x 30'
Additional room	15' x 30'
(Marked 'workshop' in plan, but not so used).	
Workshop, in basement (not shown in plan) ..	15' x 30'

Upstairs, there is a room which is used as a combined lecture room and laboratory for Intermediate classes. In addition, there is on the lower floor, a room (31' x 30'), which can be used for Physical measurements which are common to Physics and Chemistry. A portion of the corridor, about 60 feet in length, has been railed off, and it is intended to utilize this space for experimental work. The superficial area available for practical work in Physics by students who are preparing for a degree is approximately 3,500 feet. It is to be noted, however, that this space will be used by both pass and honours students, and that no space is specially allotted for honours students. The rooms are well lighted and the ventilation is sufficient.

The accommodation would be sufficient if some additional space could be found for the storage of apparatus which is not in constant use. This could easily be found in the building itself, and on the upper floor. It may also be necessary to provide a small room for tutorial instruction of honours students, and this could also be obtained.

III. As regards equipment, the laboratories are supplied with water, gas and electric current. The gas is oil-gas (Mansfield's) and is manufactured in a generator-house close to the building. Electric current is obtained from a shunt wound dynamo driven by a 6 H.P. gas engine placed in the workshop. An accumulator installation is being put in, and by means of a switch-board in the corridor can be supplied at different voltages to the various rooms.

The general laboratory and dark room are supplied with work tables consisting of Cuddapah slabs resting on brickwork pillars and covered with blackened cement. Close to each table is a water tap and sink, and gas is laid on to each table. The wiring of the laboratory is not complete as yet, but when it is, current will be supplied at those tables where it is required. Brackets for the support of galvanometers have been fitted and are ready for use. Brickwork pillars for balances have also been erected.

Although the apparatus and appliances which have been supplied up to date are chiefly those required for practical work preparatory to the pass degree, there have been included a considerable number of instruments required for the more advanced exercises which honours students will have to perform. To begin with the fundamental standards, a good meantime clock, with invar pendulum, and electric contacts has been purchased, and it is proposed to get daily time signals from the telegraph office close to the college. Standards for length, temperature, electric resistance, electromotive force, electric capacity, and candle power have also been supplied. For general experimental work in the different branches of Physics, the equipment is fairly complete, except as regards apparatus for the determination, to a fairly high degree of accuracy, of electromotive force and resistance; for the measurement of mutual inductance, of magnetic induction effects, and of the local value of the terrestrial magnetic elements. In these directions, additional apparatus has still to be supplied, but the management intend to make good these deficiencies within the next two years, and this will be ample time. It would also be advisable to have a larger variety of galvanometers.

The Physics department has attached to it a workshop equipped with a small screw cutting lathe, drilling machine, furnace, etc., and with a fair equipment of tools for work in wood and metal. A mechanic has been appointed and already a considerable amount of useful work has been turned out under the supervision of the Professor.

IV. The catalogue of the college library for 1909 and its supplement for 1910 shows about 150 works on the various branches of Experimental Physics. To these have to be added a small number of books in the Mathematics and Natural Philosophy section of the library. The Professor of Physics has also a small private library. But taking all together, the resources in this direction require to be very largely supplemented in order that the best modern

literature in Physics may be adequately represented, for the library is at present much below the standard required for the reading of students preparing for an honours degree, and a considerable expenditure in this direction is necessary at a very early date. For this, the management are prepared.

V. The staff intended for the teaching of Physics for the honours degree is not fully organized as yet, but will consist of:—

Rev. Father D. Honore, S.J.

„ E. Gombert, S.J.

„ Father Vion, S.J.

The Rev. Father Honore is the present Professor of Physics. The Rev. E. Gombert was trained in Trichinopoly (1892-1893) under Rev. Father Mallat and passed the B.A. degree in 1894. He has since been engaged in teaching Physics at the Shembaganur Jesuit College, to a standard which, I am informed, is more or less similar to that of the B.A. (II-A) degree under the old regulations. As far as I could gather, his mathematical attainments are equal to those of the honours degree standard in Physics.

The Rev. Father Vion has not joined the staff yet. He is at present under training for the teaching of Mathematical Physics required for the degree. At my suggestion, the management are considering the advisability of having that training completed under experts of distinction in some European University. As regards the other members of the staff, it is intended to appoint assistants and demonstrators next year, and to secure for these posts men of high qualifications.

The college is prepared to teach all the optional subjects for the Branch, except Radio Activity and Kinetic Theory.

VI. I would submit for the approval of the Syndicate that the application be recommended to the Senate, subject to the following conditions:—

(a) That separate accommodation be provided for the storage of some of the apparatus which, at present, occupies too much space in the working rooms of the laboratory.

(b) That the equipment be added to by the supply of the apparatus, referred to in III above, required for practical work in electricity and magnetism.

(c) That the library be added to so as to bring it up to date and to the standard required for instruction in Physics for the honours degree.

(d) That the training of Rev. Father Vion be completed under specialists of distinction in some European University.

I understand that the management are prepared to give an undertaking that all these will be done.

Report on application for affiliation in Branch V of the B.A. (honours) degree.

Letter—from Rev. E. M. MACPHAIL.

To—the Manager in Charge, Office of the Registrar, University of Madras.

Dated—the 12th September 1910.

I have the honour to report that in accordance with the instructions conveyed in your letter, No. 2492 of 22nd August, with reference to the application of St. Joseph's College, Trichinopoly, for affiliation in Branch V of the B.A. degree honours course, I proceeded to Trichinopoly, and on the 3rd September made a local enquiry. As St. Joseph's College is already an affiliated first-grade college of the University, it was necessary for me to make an enquiry only with reference to the application for affiliation in Branch V of the B.A. degree honours course.

(1) *Staff*.—The history staff at present consists of the Rev. J. Castets, S.J., who teaches Politics and Economics, the Rev. V. Newton, S.J., who has been teaching history in the B.A. course for the past four years, and an Indian Assistant. It is to be further strengthened by the addition of the Rev. J. Carty, S.J., who is at present engaged in special studies in Europe and who was Professor of History in the college before Father Newton. The honours work will be done by the European Professors, but if it is found to be necessary a second Indian Assistant will be appointed to give assistance in the other History work of the college.

(2) *Accommodation*.—Class-rooms have been provided in the block of building, recently erected, and they are quite adequate for the purpose.

(3) *Equipment*.—The college possesses an excellent History library. When it is decided which subjects of the History honours course are to be taught in the college, it may be necessary to strengthen the library by the addition of books dealing with the special subjects chosen. The management is prepared to add whatever may be required. A historical museum has been started by Father Newton in the new class-room, and there is a good supply of historical maps and atlases.

It is my opinion that the Syndicate should recommend that the request for affiliation be granted.

Letter—from the Correspondent, St. Joseph's College, Trichinopoly.

To—the Registrar, University of Madras.

Dated—the 21st December 1909.

No.—1016.

I have the honour to request you will ask the Syndicate to recommend to the Senate that this college be affiliated to the University on Group II-B, Physical Science, Advanced Chemistry. As this college is already affiliated in other Groups, it will only be necessary to satisfy the Senate in respect to sub-clauses (b), (c), (d), (e), (h).

(b) The Rev. A. Haas is already teaching Group II-A, Inorganic Chemistry. He is, however, qualified to teach Organic Chemistry and will be joined from January 1911, by the Rev. J. Caius, S.J. Father Caius taught Chemistry in the B.A. course of this college from 1904 to 1905 and is now making further studies in Organic Chemistry in the University of Paris. The conditions governing his appointment and tenure of office will, of course, be the same as those of all other Jesuit Professors.

(c) The buildings are those already approved for Inorganic Chemistry in Group II-A. The class-room is 30' x 30' having a demonstration table with gas, water and electric current laid on, and is furnished with desks and benches in amphitheatre. There is also a room for practical work, 75' x 30', fitted with tables and seats, supplied with gas, water and electric current and having other appliances necessary for teaching the subject.

(d) A copy of our library catalogue is herewith sent and as soon as affiliation is sanctioned, we shall order a further supply of the latest works on Organic Chemistry for the Science library.

(e) Arrangements have already been made in conformity with the regulations for imparting instruction in this branch, and any defect will be supplied as soon as affiliation is granted.

(h) There is no reason to apprehend that this extension of our work will be in any way injurious to the interest of education or discipline.

The assurance called for by paragraphs 2 and 3 of sub-clause (i) has already been given.

Letter—from the Manager in Charge, Office of the Registrar, University of Madras.

To—the Correspondent, St. Joseph's College, Trichinopoly.

Dated—the 19th August 1910.

No.—2472.

Reference your application No. 1016, dated 21st December 1909, for the affiliation of the college in Group II-B, B.A. degree (pass) course

I have the honour to inform you that the Syndicate has appointed Dr. A. W. Bishop to conduct the local enquiry required by section 21 (2) (a) of the Indian Universities Act, and 348 (a) of the Regulations.

Letter—from the Manager in Charge, Office of the Registrar, University of Madras.

To—Dr. A. W. Bishop.

Dated—the 22nd August 1910.

No.—2494.

An application having been received from the St. Joseph's College, Trichinopoly, for the affiliation of the college in Group II-B of the B.A. degree (pass) course, I have the honour to inform you that the Syndicate has appointed you to conduct the local enquiry required by section 21 (2) (a) of the Indian Universities Act, and 348 (a) of the Regulations.

I have to request that you will be so good as to undertake the work and submit the report of your enquiry at an early date.

The affiliation application together with its enclosure is sent herewith.

Letter—from Dr. A. W. BISHOP.

To—the Registrar, University of Madras.

Dated—30th September 1910.

With reference to your letter, No. 2494, dated 22nd August 1910, I have the honour to forward herewith my report on the local enquiry regarding the proposed affiliation of St. Joseph's College, Trichinopoly, in Branch II-B of the B.A. degree (pass) course called for therein. The enclosure No. 1016 of 21st December 1909, from the correspondent of the college, forwarded with your letter, is herewith returned.

Report on the local enquiry regarding the proposed affiliation of St. Joseph's College, Trichinopoly, in Branch II-B of the B.A. (pass) course.

I visited the college on Friday, 16th September 1910. I interviewed the Rector of the college, the Rev. F. Bertram, and with the Rev. A. Haas, the Professor of Chemistry, spent several hours in inspecting the rooms, laboratories and equipment.

347. (b) *Staff*.—The Rev. A. Haas and the Rev. J. Caius will teach the Chemistry of Branch II-B. The Rev. A. Haas has been for some time teaching the Chemistry of Branch II-A. The Rev. J. Caius taught Chemistry in the B.A. II-B course in 1904-1905 and is at

present studying Organic Chemistry at the University of Paris where, I understand, he is doing original work and has published some papers; he will join the college in January 1911. Both of these Professors received their knowledge of Chemistry from the Rev. Muller, B.A., B.Sc. (Angers), who was in the college in 1890-94. The plan of giving the Rev. J. Caius the opportunity of studying in the University of Paris is an excellent one, and it would be well if the Rev. A. Haas could also be sent either to the University of Paris or other large University. It is not that I wish to cast any doubt upon the Rev. A. Haas' capacity to teach the subject, for the choice of books in his library, the selection of apparatus and the fitting up of the laboratory all testify to his good knowledge of Chemistry. It is, however, of the highest importance that those teaching an experimental Science should have undergone a systematic training in its several branches. This is most readily obtained by the student taking the prescribed course for a Science degree in one of the larger Universities. In my opinion it would be well to inform the managers of the college that in future any permanent vacancy should be filled by one who has taken a Science degree, for which the chief subject prescribed is Chemistry.

347. (d) *Library*.—On inspecting the library catalogue and appendix (i) previous to my visit I found that the books on Chemistry were not of the kind desirable for the Chemistry of Branch II-B and that many that might be expected to be found even for the Chemistry of Branch II-A were wanting, but on enquiry in the college I found that the more recent and important books were in the Professor's private library. These books should be placed at the disposal of the students and those volumes duplicated which are permanently required by the staff. I pointed out that the new edition of Roscoe and Schorlemmer should be obtained, and I mentioned a few other important books which they agreed to procure. The books on Organic Chemistry will be brought out by the Rev. J. Caius or selected by him. The journal of the London Chemical Society is taken in. The Chemistry books are satisfactory, if students can have access to the books mentioned above and at present contained in the Professor's private library and, if new and important books are added from time to time for which each Professor receives an annual allotment.

347. (e) *Laboratory and equipment—Lecture room* (30' × 30' × 18').—The benches are raised and in horse-shoe form. The lecture table is fitted with gas, water and electricity. There is a large supply of apparatus to illustrate the chief chemical laws and to demonstrate the properties and reactions of the common chemical substances. This lecture room which will be used for the Chemistry of both Branches II-A and II-B is quite satisfactory.

Large laboratory (75' × 30' × 18').—This contains fifty-two working benches fitted with gas and water; electricity is also supplied to this room. Draft cupboards are being constructed. This laboratory will suffice for the II-A students and also for the qualitative analysis of students of Branch II-B. This laboratory is well lit and excellent in every way.

Small laboratory (30' × 30' × 18').—This is to be fitted with working benches for the II-B quantitative analysis. In the correspondent's letter No. 1016 of December 21, 1909, this room is not mentioned, but it is very necessary that the quantitative analysis should be done in a separate room; the fitting up of this room with working benches, water and gas should be insisted on, but I understand that its fitting up has been contemplated.

There is not a suitable room for the analytical balances and it is proposed to screen off a part of the corridor outside this small laboratory for the purpose, as the corridor is very wide and well lit from above. I think this arrangement would be satisfactory.

Small laboratory (30' × 30' × 18) in basement, but well lit. This room is fitted with a long working bench and can be used for making chemical preparations or special work of any kind. One side is utilized for making distilled water.

There is a Bange Sartorius analytical balance, and it is proposed to purchase at least one more good analytical balance. The apparatus for volumetric analysis is satisfactory; there is only one platinum dish of an awkward size and shape. I suggested that some ordinary platinum crucibles be obtained and this, I understand, will be done.

There is a good stock of inorganic chemicals; the organic substances will be purchased later on the arrival of the Rev. Caius. With the amount already spent and that proposed to be spent on chemicals and apparatus, the Chemical department of the college will have an adequate supply, and there will be an annual provision for the upkeep.

In conclusion I would recommend that the affiliation sought in Branch II-B of the B.A. degree (pass) course be granted, for I am of the opinion that there will be every facility for the proper teaching of the course prescribed.

Letter—from the Correspondent, St. Joseph's College, Trichinopoly.

To—the Registrar, University of Madras.

Dated—the 30th March 1910.

No.—1052.

I have the honour to request the favour of your laying before the Syndicate this my application for affiliation in Group II of the Intermediate course, with the request that it may be recommended to the Senate for approval.

I presume that to comply with the requirements of Regulation 347, I have only to satisfy the Syndicate with reference to clauses (b), (e) and (h).

(b) As regards this clause, the Professor of (a) Elementary Botany and Geology will be the Rev. E. Gombert of the Society, who has already taught both these subjects in Shembaganur, and was in charge of our museum for several years, and for (b) and (c) Physics and Chemistry the students will attend these courses with the students of Group I (b) and (c). If the students are numerous, another Professor will be added.

(c) A museum we already possess and the room next to it will be, if necessary, i.e., when the number of students demands it, handed over and furnished as a laboratory. Meanwhile it is considered the museum with laboratory fittings will suffice.

(h) There is no college in the neighbourhood teaching this subject, and our affiliation in it is not likely, therefore, to be injurious to the course of education.

The other requirements are already complied with.

Letter—from the Manager in Charge, Office of the Registrar, University of Madras.

To—the Correspondent, St. Joseph's College, Trichinopoly.

Dated—the 19th August 1910.

No.—2486.

With reference to your application No. 1052, dated March 30, 1910, for the affiliation of the college in Group II of the Intermediate course, I have the honour to inform you that the Syndicate has appointed M.R.Ry. K. Ramunni Menon Avargal, B.A., Professor, Presidency College, to conduct the local enquiry required by section 21 (2) (a) of the Indian Universities Act, and 348 (a) of the Regulations.

Letter—from the Manager in Charge, Office of the Registrar, University of Madras.

To—M.R.Ry. K. Ramunni Menon Avargal, B.A.

Dated—the 19th August 1910.

No.—2487.

An application having been received from the St. Joseph's College, Trichinopoly, for affiliation in Group II of the Intermediate course, I have the honour to inform you that the Syndicate has appointed you to conduct the local enquiry as required by section 21 (2) (a) of the Indian Universities Act, and 348 (a) of the Regulations.

I have to ask you to be so good as to undertake the work and submit the report of your enquiry at an early date.

The affiliation application is sent herewith.

Letter—from M.R.Ry. K. RAMUNNI MENON AVARGAL, B.A. (Cantab.), Professor of Zoology, Presidency College.

To—the Registrar, University of Madras.

Dated—the 29th September 1910.

In accordance with the terms of your letter, dated August 19, 1910, asking me to make the local enquiry under Regulation 348 (a) in connexion with an application from the St. Joseph's College, Trichinopoly, for affiliation in Group II of the Intermediate course, I visited the institution on the 12th of this month, and I have the honour to submit the following report embodying the results of my investigation. As the college is already affiliated to the University, I confined my investigation to clauses (b), (d), (e) and (h) of Regulation 347.

(b) The students in Group II will attend courses in Physics and Chemistry along with students in Group I in which the college is already affiliated. This plan is adopted elsewhere and is quite sufficient. As regards Botany and Zoology (including Physiology), in the original letter asking for affiliation, it is stated that the Rev. Father Gombert will teach both these subjects, and that a new Professor will be appointed if the number of students requires it. During my enquiry, I pointed out the desirability of having two teachers in Natural Science, both of whom may also be entrusted with other work, one especially trained to teach Botany and the other to teach Zoology; and I understand the authorities are prepared to have another Professor. Father Gombert will then teach Botany and the new Professor, who will be a Zoologist, will teach Zoology. There is, however, no absolute necessity for the appointment of the new Professor before the beginning of the term in 1912, as till then there will only be the junior Intermediate class. Father Gombert can finish the Botanical part of the course with this class during 1911-1912, leaving the Zoological part for the second year 1912-1913.

(d) *Library*.—The library is a good working library for certain groups; but it will be necessary to add some recent editions and books on Physiology, Zoology and Botany, which deal more intimately with the subjects included in the Intermediate course. The authorities fully realize this necessity.

(e) The museum room is an excellent one; but it will not be possible to hold the practical classes here as contemplated in the letter asking for affiliation. The room next to the museum is well suited for both lecture and practical work in Natural Science and can easily accommodate twenty-four students. I understand the authorities have no objection to fit it up

as a laboratory for immediate work. The authorities also realize the necessity for providing two or three microscopes, lenses, dissecting instruments, boards, etc., for the practical work. The Zoological museum is a fine one as far as it goes; but certain groups included in the syllabus are not well represented in the collection. There is no Botanical museum at present. These defects can be easily remedied and will, no doubt, be remedied as soon as actual teaching is undertaken. The college possesses an exceptionally good garden which can be utilized for purposes of Botanical teaching.

(h) As the S.P.G. College, the only other college in the neighbourhood, does not teach Group II, the affiliation of St. Joseph's College in this group is not likely to be injurious to the interests of education.

The college possesses some exceptional facilities for the teaching of Group II, and, I think, is likely to become an important centre for this group. I believe the authorities are prepared to satisfy the additional requirements above referred to, and I can recommend the affiliation of the college in this group.

I enclose herewith the original letter from the correspondent asking for affiliation. The mention of Geology instead of Zoology in this letter is an oversight.

Letter—from the Manager in Charge, Office of the Registrar, University of Madras.

To—the Correspondent, St. Joseph's College, Trichinopoly.

Dated—the 10th November 1910.

No.—3154.

In continuation of this office letters Nos. 2472, 2476 and 2486, dated August 19 last, in reference to your applications for the affiliation of the college in Group II of the Intermediate courses, and Group II-B of the B.A. degree (pass) courses, and in Branches I, II-A and V of the B.A. degree (honours) courses, I have the honour, by direction of the Syndicate, to forward to you copies of the reports of the several gentlemen who conducted the local enquiries with the request that the Syndicate may be informed within the course of the next fourteen days how and when it is proposed that the deficiencies indicated therein will be remedied and the suggestions made carried into effect.

Letter—from the Correspondent, St. Joseph's College, Trichinopoly.

To—the Registrar, University of Madras.

Dated—the 25th November 1910.

No.—1116.

Reference your letter, No. 3154, dated November 10, 1910, and copies of the reports on the local enquiries conducted in this college in connexion with our application for affiliation in Group II of the Intermediate course and Group II-B of the Bachelor of Arts degree as well as in Branches I, II-A and V of the Bachelor of Arts (honours) degree.

I have the honour to intimate for the information of the Syndicate that we are prepared to comply with the conditions laid down in these reports within a reasonable time and in the order of urgency and submit the following remarks:—

Branch I, B.A. (honours) degree.—In paragraph III of the copy of Dr. Mitchell's report furnished to us, there is an error of fact arising apparently from the omission of the Rev. Father duRanquet's name and the period that should follow it. In the copy sent to us, I read 'He (Father Pruvot) was trained locally in the Society under the Rev. J. Céré, etc.' This is wrong. If between the words 'under' and 'the Rev. J. Céré' the words 'The Rev. Father duRanquet' be inserted, the sentence will be correct. I presume it runs thus in the original, for Father duRanquet, who died only last year, was Professor of Mathematics in this college for twenty-five years, had taught the same subject in Europe for several years before that and was a man of wide experience and extensive knowledge in this branch and was for some time an Examiner of this University in Mathematics.

Branch II-A, B.A. (honours) degree—Storage of apparatus.—Provision has been already made for this requirement, i.e., two cupboards, measuring 10' 10" × 9' 8" × 2', which will take in a fair amount of apparatus. Besides, there is in the laboratory a number of smaller cupboards and of brackets which are still far from filled.

Library.—Since the inspection a number of books have already been purchased. The rest will be forthcoming as required.

A special room for giving tutorial instruction to students for the honours degree in Branch II-A is available.

Group II, Intermediate.—Since the time of inspection difficulties have arisen with respect to the room which it was proposed to set aside for this subject. In any case, if this particular room cannot be spared for Botany and Zoology, another suitable one will be provided.

The Syndicate as its meeting held on December 21, 1910, adopted the above reports and resolved to recommend the Senate to record its opinion that the applications for affiliation may be granted by Government.

APPENDIX B.

Report of the Syndicate upon the application from the Director of Public Instruction, Madras, for the affiliation of the Presidency College in Branches I, II-A, II-B, III, IV, V, VII and VIII of the B.A. degree (honours) courses.

The Syndicate reports the following correspondence relative to this application:—

Letter—from the Director of Public Instruction, Madras.

To—the Registrar, University of Madras.

Dated—the 3rd September 1909.

No.—1196.

With regard to the affiliation of the Presidency College, I have the honour to inform you that it is intended to apply for the affiliation of the college for the Degree of Bachelor of Arts (honours course) in Branches I, II-A, II-B, III, IV, V, VII and VIII and that arrangements are being made as to staff and equipment which should prove satisfactory.

Letter—from the Director of Public Instruction, Madras.

To—the Registrar, University of Madras.

Dated—the 4th March 1910.

No.—1196.

In continuation of my letter R.C. No. 1196 of 1907, dated September 3, 1909, and with reference to your circular letter No. 610, dated February 17, 1910, sent to the Principal, Presidency College, I have the honour to request that the Presidency College may be affiliated for the B.A. degree examination (honours course) in Branches I, II-A, II-B, III, IV, V, VII and VIII and to state that the conditions laid down in rule 349 of the New University Regulations will be complied with completely before the commencement of the honours course. The accommodation has been extended and steps have also been taken to provide additional accommodation and the appliances necessary for the Science laboratories. The staff has been added to by the appointment of four officers of the Indian Educational Service, of whom two, viz., the additional Professors of Chemistry and History, have already arrived, and of nine of the subordinate collegiate service.

Letter—from the Manager in Charge, Office of the Registrar, University of Madras.

To—the Director of Public Instruction, Madras.

Dated—the 19th August 1910.

No.—2479.

With reference to your letter, No. 1196 of 1907, dated March 4, 1910, requesting that the Presidency College, Madras, may be affiliated for the B.A. degree (honours) course in Branches I, II-A and B, III, IV, V, VII and VIII, I have the honour to inform you that the Syndicate has appointed the following gentlemen to conduct the local enquiries as required by section 21 (2) (a) of the Indian Universities Act, and 348 (a) of the Regulations:—

Dr. A. C. Mitchell	for Branches I and II-A
Dr. A. W. Bishop	„ Branch II-B
Dr. J. R. Henderson	„ „ III
Mr. E. Drew	„ „ IV
The Rev. E. M. Macphail	„ „ V
Mr. J. G. Tait	„ „ VII
The Hon'ble Mr. P. S. Sivaswami Aiyar	„ „ VIII

Letter—from the Manager in Charge, Office of the Registrar, University of Madras.

To—{ (1) Dr. A. C. MITCHELL.
(2) Dr. A. W. BISHOP.
(3) Dr. J. R. HENDERSON.
(4) E. DREW, Esq., M.A.
(5) The Rev. E. M. MACPHAIL, M.A., B.D.
(6) J. G. TAIT, Esq., M.A.
(7) the Hon'ble Mr. P. S. SIVASWAMI AIYAR, B.A., B.L.

Dated—the 19th August 1910.

No.—2480.

An application having been received for the affiliation of the Presidency College, Madras, in (1) Branches I and II-A, (2) Branch II-B, (3) Branch III, (4) Branch IV, (5) Branch V, (6) Branch VII, (7) Branch VIII of the B.A. degree (honours) courses, I have the honour to inform you that the Syndicate has appointed you to conduct the local enquiry required by section 21 (2) (a) of the Indian Universities Act and 348 (a) of the Regulations.

I have to ask you to be so good as to undertake the duty and submit the report of your enquiry at an early date.

A copy of the affiliation application is herewith sent.

Letter—from Dr. A. C. MITCHELL.
To—the Registrar, University of Madras.
Dated—the 30th September 1910.

I have the honour to forward herewith my report on the application for affiliation of the Presidency College, Madras, in Branch I (honours degree).

Report on application for affiliation in Branch I (honours) degree.

I. Under instructions from the Syndicate, I inspected this college on September 6, 1910.

II. The accommodation provided or about to be arranged will be sufficient if the lectures on Mathematical Physics, which are common to Branches I and II-A (honours), are given in a room in the Physics department of the college. Otherwise, two additional rooms for the Mathematical department will be necessary.

III. The staff includes—

Mr. R. Littlehailes, M.A.	..	..	..	..	Professor.
„ P. V. Seshu Aiyar, B.A., L.T.	..	..	..	..	Assistant.
„ K. R. Ramaswami Aiyangar, M.A., L.T.	..	..	..	..	Do.

It is intended that a third assistant and a junior Professor (to be in the Provincial Educational Service) shall be appointed. Provided that the person appointed to the junior professorship holds the highest local academic qualifications, the staff is sufficient for the purposes of the present application.

IV. The class library, which is specially intended for honours students, contains treatises on all the subjects included under Branch I, and most of them are of the best and most recent of their kind. I would suggest, however, that the collection be supplemented by some of the best works on Higher Mathematics by modern continental writers, and by the collected works of eminent French and German mathematicians. It will also be necessary to provide duplicate copies of some books, especially in those subjects which are common to Branches I and II-A.

There are no instruments for instruction (of an elementary practical kind) in Astronomy, and it is necessary that these should be obtained.

V. I would submit for the approval of the Syndicate that the application for affiliation be recommended to the Senate, subject to an undertaking by the college that the instruments referred to in IV above be supplied at an early date.

Letter—from Dr. A. C. MITCHELL.
To—the Registrar, University of Madras.
Dated—the 30th September 1910.

I have the honour to forward herewith my report on the application for affiliation of the Presidency College, Madras, in Branch II-A (honours degree).

The plan referred to in the report is forwarded in a separate parcel along with papers relating to a similar application from the Madras Christian College.

Report on application for affiliation in Branch II-A (honours) degree.

I. In accordance with instructions from the Syndicate, I inspected this college on September 6, 1910.

II. The accommodation, which has been or is about to be provided, is shown in the accompanying plan. The existing rooms are shown outlined in black; the new accommodation is shown in red. The work on this new extension has been begun, and I was informed that under his agreement the contractor is bound to complete the work by March 31, 1911. When completed, the Physics department will have at its disposal two lecture rooms, apparatus room, library room, balance room, workshop, dynamo room, accumulator room, and eight rooms for practical laboratory work. The largest of the eight rooms will be given to the Intermediate students; the others will be available for the pass and honours students. The accommodation is sufficient and suitable, except that I am by no means certain that the rooms on the southern side of the block will have sufficient light when the new building is erected.

III. The staff at present includes—

Mr. R. L. Jones, M.A.	..	..	..	..	Professor.
„ M. C. Anantapadmanabha Rao, M.A., L.T.	..	..	..	..	Assistant.
„ V. Appa Rao, M.A.	..	..	..	..	Do.

The Principal informed that it is intended that a Professor of Mathematical Physics should be appointed, as also an Assistant Professor. Further, that, as present intended, either the new Professor of Mathematics or the new Professor of Mathematical Physics is to belong to the Provincial Educational Service.

I would point out to the Syndicate that *hitherto there have been no facilities in India for a training in Mathematical Physics* such as would ensure a member of the Provincial Educational Service being competent to give instruction, in the subjects included under that head, to an honours standard. It should, therefore, in my opinion, be made an essential condition of affiliation that the person appointed shall have had a thorough training under men of recognized distinction in some European University.

If this condition be fulfilled, the staff will be sufficient for all present purposes.

IV. The equipment of the laboratories, taking into consideration the appliances and apparatus now on order or for the supply of which arrangements have been made, is fairly complete. There are supplies of water, gas, and electric current, both direct and alternating from a motor generator, and direct current from a battery of accumulators. Fundamental standards are well represented, and instruments for determinations of physical quantities to a fairly high degree of accuracy have been supplied. With regard to particular subjects, the equipment in respect of electrical and optical work is satisfactory. In the general properties of matter, it is progressing while in heat and magnetism there still remains to be supplied apparatus for some of the more advanced practical work.

But there will be sufficient space in which to place or erect new or special apparatus, and the laboratory has attached to it a fairly well-equipped workshop. There is a skilled mechanic on the staff who can make apparatus for a large variety of purposes.

I may remark that the apparatus which has been obtained up to date is of a high quality and has been supplied by the best makers. This I regard as a most important point.

V. The class library contains a fairly comprehensive selection of the best modern treatises on Physics and with a few additions in each subject will be sufficient for the purposes of the present application.

VI. I would submit for the approval of the Syndicate that the application be recommended to the Syndicate, subject to the condition referred to in paragraph III above being fulfilled.

Letter—from Dr. A. W. BISHOP.
To—the Registrar, University of Madras.
Dated—the 28th September 1910.

With reference to your letter, No. 2480 of August 19, 1910, I have the honour to forward herewith my report on the local enquiry regarding the proposed affiliation of the Presidency College, Madras, in Branch II-B of the B.A. degree (honours) course.

I am forwarding under separate cover some plans which accompany the report. I shall be obliged by these being returned to Mr. W. Erlam Smith at the Presidency College when they have been considered by the Syndicate.

Report on the local enquiry regarding the proposed affiliation of the Presidency College, Madras, in Branch II-B of the B.A. (honours) courses.

I visited the college on Saturday, September 17, 1910.

I interviewed the Principal of the college, the Hon'ble Mr. J. H. Stone, and then proceeded to the Chemical laboratory where I met Mr. W. Erlam Smith, the Professor of Chemistry, and Mr. J. L. Simonsen, the Junior Professor of Chemistry.

347. (b) Staff.—Mr. W. Erlam Smith, M.A. (Oxford).

Mr. J. L. Simonsen, D.Sc. (Manchester).

Both are trained chemists and therefore well able to conduct in an efficient manner the teaching required for the honours course in Chemistry.

Mr. Simonsen has specialized in Organic Chemistry.

The teaching of Physical Chemistry, which has in the last twenty years developed so rapidly and extensively, presents much difficulty, for its adequate treatment demands at the same time a wide knowledge of Physics and Chemistry and also of Higher Mathematics; in short a specialist is required to teach the subject.

For the Physical Chemistry prescribed in the syllabus it will certainly be necessary for the Honours Chemistry students to study Higher Mathematics and to become familiar with the use of the Differential and Integral Calculus; this can, no doubt, be arranged with the Mathematical department of the college.

At some later date it may be found possible to obtain some one who possesses the special knowledge required to teach this important branch of modern Chemistry.

The Mineralogy and Crystallography, being of an elementary character, will not offer any difficulty.

347. (d) Library.—A copy of the catalogue of books in the Chemical library was handed to me by Mr. Smith. The library is well furnished with the chief text books, handbooks and books of reference; it contains 380 volumes.

The standard works relating to Mineralogy and Crystallography are wanting and will have to be obtained for the honours course.

The following Chemical and Scientific journals are received :—

Journal of the Chemical Society of London.
 Berichte of the German Chemical Society, Berlin.
 Journal of the Society of Chemical Industry.
 Chemisches Zentral-blatt, issued by the German Chemical Society, Berlin.
 The Philosophical Transactions.
 Nature.
 Chemical News.

The other more important Chemical journals are obtained by the University library.

A sum of £18 per annum is at present allotted for the library.

With the College and University library the Chemical literature at the disposal of students is quite satisfactory.

347 (e). *Laboratory and equipment.*—The present building contains—

Three rooms on the ground floor—

(55' × 30') proposed to be used for B.A. laboratory.
 (18½' × 30') " " " Library.
 (40' × 30') " " " Honours laboratory.

Seven rooms on the first floor—

(43' × 30') proposed to be used for Organic laboratory.
 (12' × 30')
 (18½' × 30') proposed to be used for Junior Professor's room.
 (20' × 30') " " " water analysis.
 (20' × 30') " " " gas analysis.
 (15' × 20' 4") " " " dark room.
 (18'8" × 15') " " " spectroscopic room.

This accommodation is insufficient for the intermediate classes and also does not provide sufficient store room space for chemicals and apparatus, and Mr. Smith has furnished me with ground plans of the proposed extension which, I understand, has been sent in, but has not yet been sanctioned. These plans are forwarded herewith.

The plans provide for (excluding the Intermediate laboratory)—

(On ground floor)—

Lecture room (40' × 30') (partly for the Intermediate).
 Preparation room adjoining (20' × 30').
 Chemical store room (20' × 30').
 Glass store room (23½' × 39').
 Still room (15' × 39').

(On first floor)—

Small lecture room (25' × 30').
 Preparation room adjoining (15' × 30').
 Senior Professor's room (20' × 30').
 Physico-Chemical laboratory (20' × 30').

The floor space will be nearly doubled by the proposed extension.

With both the pass and honours students it is certain that a considerable addition to the present building is required, apart from the accommodation of the Intermediate classes, and there is no doubt that the additional space will be fully utilized.

The equipment in respect to apparatus and chemicals with some further expenditure will be adequate to all the requirements of the honours course.

A special grant of Rs. 10,750 was sanctioned and spent in 1909.

The ordinary grant of Rs. 4,500 was sanctioned in 1910, and the indent has been sent home. Much of this expenditure was incurred for the Intermediate classes.

For 1911 the following grants have been applied for :—

Rs. 1,50,000 for buildings and fittings.
 " 15,200 for chemicals and apparatus.
 " 12,120 for high pressure Mansfield gas.
 " 715 for a pump and motor.

This proposed expenditure will, if sanctioned, permit the laboratories to be fitted up in the best manner.

The college will then be in the possession of a Chemical department where there will be the facilities for the carrying out of the higher practical work of the various kinds that should be demanded of the honours students in Chemistry.

There is gas and water at present, but it is desirable to have these supplied at higher pressure.

It is proposed to have an electric current for an arc lamp in the lecture room and also for a muffle and a tube furnace.

It is highly desirable that accommodation be provided at the earliest possible date for the Intermediate classes, for until this is done the teaching of the honours course will be much hampered for want of space.

In my opinion it will only be possible to train the honours students in the way they should be trained when some considerable addition is made to the existing building.

In conclusion I would recommend that the affiliation in Branch II-B of the B.A. degree (honours) course be granted.

Letter—from Dr. J. R. HENDERSON.

To—the Manager in Charge, Office of the Registrar, University of Madras.

Dated—the 17th September 1910.

In accordance with the instructions conveyed in your letter No. 2480, dated 19th ultimo, I have conducted a local enquiry in connexion with the application for the affiliation of the Presidency College, Madras, in Branch III of the B.A. degree (honours) courses, and have now the honour to submit my report for the consideration of the Syndicate.

Subjects.—I was informed by the Principal of the college that affiliation was sought in A. Botany, B. Zoology, and C. Geology, but my enquiry was confined to the first two of these subjects, as I am not a specialist in Geology and am not therefore competent to report upon it. I understand that a Professor of Geology is to be appointed later, and the enquiry in connexion with this subject ought probably to be deferred till the appointment has been made.

Accommodation.—In respect to both Botany and Zoology, there is ample space for the teaching of the honours courses, both as regards laboratories and lecture rooms.

Staff.—In Botany the teaching staff available for the honours courses consists of the Professor, an Assistant Professor (the present incumbent being a B.A., Madras, in Botany) and a Demonstrator. The staff available for the honours courses in Zoology consists of the Professor, an Assistant Professor (at present an M.A., Madras, in Zoology) and a Demonstrator.

Equipment.—Both laboratories are well equipped with the apparatus and appliances necessary for advanced practical work in Botany and Zoology, and there are adequate teaching collections, or class museums, in connexion with both subjects. Well-selected class libraries exist both in Botany and in Zoology, and a fair proportion of the books deals with advanced work.

As a result of my enquiry I would recommend that affiliation in Branch III-A, Botany, and Branch III-B, Zoology, of the B.A. degree (honours) courses, be granted to the Presidency College.

Letter—from E. DEWE, Esq.

To—the Registrar, University of Madras.

Dated—the 7th October 1910.

At the request of the Syndicate I visited the Presidency College on Saturday, August 27, to consider the question of its affiliation in Branch IV (Mental and Moral Science) of the B.A. degree (honours) course. I was accompanied by the Principal Mr. Stone.

1. As regards accommodation, I was informed that it was proposed to make certain structural alterations to provide the class-rooms required.

2. The staff at present engaged in teaching the subject consists of a Professor of Logic, who is a graduate of the University, and another Indian lecturer, who has taken the degree of Master of Arts in Branch IV. There is also, I believe, a graduate in the subject who acts as tutor.

The only addition to the staff which it is proposed to make for the honours course is the employment of another Indian Master of Arts who has graduated in the subject and who is at present undergoing training at the Teachers' College. The entire staff, therefore, will consist of Indians.

Were the new honours course confined to Oriental Philosophy, there would, of course, be no objection to this. But considering what the course really is, it is difficult to understand why at least one, if not two, members of the Indian Educational Service are not to be employed as in the case of the other honours courses.

The new degree will require, amongst much else, a thorough knowledge of the History of European thought, which does not form a part of the present course under which the graduates referred to have been trained. How again can Greek Philosophy, another special course, be taught by any one who has no knowledge of Greek? And as regards even Indian Philosophy which the new syllabus requires to be taught *critically* and *historically*, it is not known whether any of the staff are specially qualified as students of Sanskrit. The Principal himself agreed that the staff was not strong. But I was unable to discover any sufficient reason why it should not be strengthened. He himself did not appear to have discovered any sufficient reason why the subject should be studied at all.

Here I can only reply that every University worthy of the name does include the study of Ethics, Metaphysics and the new Science of Psychology in its curriculum. I may refer to the opinions of such representative men as Sir O. Lodge and Professor Sadler on the subject. India, moreover, has special needs at this juncture. And a critical examination of the fallacies of the Agnostic Pantheism now current would be of service to the State.

3. As regards the library, I was not favourably impressed. A very old catalogue was shown me, and the books themselves were not well arranged. A poor use is made of the library, as statistics showed.

I cannot, therefore, recommend the affiliation applied for unless steps are taken to bring the teaching of this important subject more into line with that of the other courses.

Letter—from the Rev. E. M. MACPHERAIL.

To—the Manager in Charge, Office of the Registrar, University of Madras.

Dated—the 12th September 1910.

I have the honour to state that, in accordance with the instructions conveyed in your letter No. 2480 of August 19, 1910, I made a local enquiry at the Presidency College on September 1, 1910, with reference to its application for affiliation in Branch V of the B. A. degree (honours) courses. As the Presidency College is an affiliated first-grade college of the Madras University, I confined my enquiry to the subject under reference, and I have the honour to report as follows:—

(1) *Staff*.—The History staff of the college is to consist of two European Professors, one of whom will pay special attention to Economics, and two Indian Assistant Professors.

(2) *Accommodation*.—A new wing, which is at present under construction, is to be devoted to the History department of the college. When completed, it will contain two large classrooms, two small class-rooms, a library and reading-room, and rooms for each of the Professors and Assistant Professors.

(3) The college is provided with an excellent History library.

It is my opinion that the Syndicate should recommend that the affiliation applied for be granted.

Letter—from J. G. TAIT, Esq.

To—the Registrar, University of Madras.

Dated—the 20th October 1910.

With reference to your letter, No. 2480, dated August 19, 1910, I have the honour to enclose two reports of local enquiries held by me in Madras in accordance with the instructions of the Syndicate.

Report on local enquiry held by Mr. J. G. Tait with reference to the application of the Presidency College for affiliation in Branch VII of the B.A. degree (honours) course.

I visited the Presidency College on October 1 in accordance with the instructions of the Syndicate conveyed in the Registrar's letter, No. 2480, dated August 19, 1910. I had an interview with the Hon'ble Mr. J. H. Stone, Principal and Professor of English, and with four Assistant Professors of English.

The amount of space which is to be allotted to the teaching of English is ample.

The library is strong in the subjects included in Branch VII and is being still further strengthened.

The department of English will have in July, 1911, two Professors and four Assistant Professors.

I am satisfied that the Presidency College will be prepared in every respect to give instruction in Branch VII of the B. A. degree (honours) course in July 1911.

Letter—from the Registrar, University of Madras.

To—the Director of Public Instruction, Madras.

Dated—the 10th November 1910.

No.—3153.

In continuation of this office letter, No. 2479, dated August 19, 1910, in reference to your application for the affiliation of the Presidency College in Branches I, II-A, II-B, III, IV, V, VII and VIII of the B.A. degree (honours) courses, I have the honour, by direction of the Syndicate, to forward to you copies of the reports of the several gentlemen who conducted the local enquiries, with the request that the Syndicate may be informed within the course of the next fourteen days how and when it is proposed that the deficiencies indicated therein will be remedied and the suggestions made carried into effect.

Letter—from the Acting Director of Public Instruction, Madras.

To—the Registrar, University of Madras.

Dated—the 22nd November 1910.

No.—1196.

With reference to your letter, No. 3153, dated November 10, 1910, I have the honour to make the following remarks on the affiliation of the Presidency College in certain branches of the honours course for the B.A.:—

Branches I and II-A.—It is not the case that it is intended to appoint an additional or junior Professor of Mathematics. A new professorship is to be created probably under the designation of Professor of Mathematical Physics, and he would no doubt take part in the teaching of Mathematics. Either he or the Professor of Mathematics will be in the Provincial Service, the other Professor being in the Indian Educational Service.

Dr. Mitchell wishes the University to make it an essential condition of affiliation that the person appointed Professor of Mathematical Physics shall have had a thorough training under men of recognized distinction in some European University. I am not prepared to give any such undertaking, nor do I think that the University would be justified in insisting upon it. It is, of course, quite true that the training given in the University and probably in the other Indian Universities has not been such as to produce men conversant with the application of Higher Mathematics to Physics, but, on the other hand, I imagine that, under the system of options allowed in Branches I and II, it would be possible to arrange courses not requiring much special knowledge of Mathematical Physics. In any case the college could not undertake to provide courses in all of the fifteen or twenty optional subjects and would naturally limit itself to those for which the staff at the time happened to be best fitted. Moreover, I conceive that the modern developments of Mathematical and Physical Science might most appropriately be treated by a University lecturer and indeed that in this matter we have a right to expect help from the University.

The necessary supply of astronomical instruments will be arranged for.

The other suggestions of the inspector are not made conditions of affiliation; they will, however, receive proper consideration.

Branch IV.—I agree with Mr. Drew in thinking that, if the Presidency College were expected to teach the whole honours course in Mental and Moral Science, the staff proposed is not strong enough. What we hope, however, is that a system of intercollegiate lectures may be arranged with the Christian College. We also intend to take honours in this branch only as a post-graduate course under Regulation 203.

Mr. Drew visited the college on a day when it was closed. He did not see the special library of the Professor, but only glanced at the Philosophy books in the general library. I am, therefore, unable to attach any importance to his remarks on the library. He did not interview the members of the staff saying that he was sufficiently acquainted with the Professor, and I gather that Mr. Drew believes this gentleman to be an 'Agnostic Pantheist'. It may further be remarked that the study of Greek Philosophy for honours is not obligatory. It should presumably only be undertaken by persons who know Greek.

Branch VII.—Mr. Tait's statement that the department of English will have in July two Professors and four Assistant Professors is a little misleading since the four assistants include the Latin Master, who will not be able to give his whole time to English.

Letter—from the Hon'ble Mr. P. S. SIVASWAMI Aiyar, C.I.E.

To—the Registrar, University of Madras.

Dated—the 27th November 1910.

With reference to your letter No. 2480, dated August 19, 1910, I have the honour to inform you that I called at the Presidency College on the 2nd November and saw the Principal Mr. Middlemast and the Sanskrit Professor Rao Bahadur M. Rangachariyar; and I have had a talk with Professor Rangachariyar on the subject of the equipment of the college with reference to the requirements of the B.A. honours course in Sanskrit, Branch VIII.

2. The college is at present provided with a Professor of Sanskrit and a Sanskrit pandit. The existing staff will have to be considerably strengthened if the college is to be allowed to prepare students for the honours course in Sanskrit. The courses of study prescribed in Branch VIII consist of a general part and a special part. The course in the general part comprises—

- (1) The history of the language.
- (2) The history of the literature in the language.
- (3) Grammar, prosody and poetics.
- (4) Prescribed texts in poetry and prose.
- (5) Translation from English into Sanskrit and from Sanskrit into English.

As candidates are required to possess a sound knowledge of the principles of Comparative Philology and of the elements of Comparative Grammar with special reference to the important Indo-Germanic languages, provision has to be made for teaching the subjects of Comparative Philology and Comparative Grammar. The course in the special part comprises—

- (1) Prescribed text-books selected from any specified branch or branches of Sanskrit literature.

(2) A critical and comparative enquiry into the contents and value of the specified branch or branches of literature taken up for study by the candidate.

In selecting the branches of Sanskrit literature to be prescribed for the special course, it is the intention of the Board of Studies in Sanskrit to prescribe different branches of literature in different years. There are four main divisions of the Sastras in Sanskrit literature, viz., Vyakarana, Tarka, Vedanta and Mimamsa. The intention of the Board is to group these four branches into three divisions—

- (1) Yoga, Sankhya, Nyaya and Vaisesika.
- (2) Purva Mimamsa and Vedanta.
- (3) Vyakarana and Alankara.

As the special branch prescribed for study may vary from year to year, it is necessary that the staff should be capable of handling all the three divisions out of which a selection may be made. As it will be difficult to get men versed in all the four Sastras, and as it will not be possible for any one person to find time to teach all the subjects required, it will be necessary to increase the staff. Moreover from the enquiry I have made, I find that there will be seven classes in which the Sanskrit staff will be engaged (two Intermediate, two pass B.A., three honours), and that the aggregate number of hours of actual teaching work to be done by the staff will not be less than sixty. It will, therefore, be necessary to appoint in addition to the existing staff a junior Professor and two pandits. Each of the two additional pandits must be versed in at least two of the Sastras and the junior Professor must be a Master of Arts in Sanskrit with a really sound knowledge of two of the Sastras if possible. As the course in the special part requires a critical and comparative enquiry into the contents and value of the branch of literature selected, the teaching in the special part cannot be entirely entrusted to a pandit since the comparative and critical portion can only be undertaken by one who combines a knowledge of Sanskrit systems of philosophy with some knowledge of Western philosophical literature and methods of research and criticism. I do not think it possible for a single Professor to undertake the different subjects prescribed for the honours course with the help of pandits only. The pay and prospects of the junior Professor should be such as to secure a scholar of ability and attainments, and I think the junior Professor should start on a salary of not less than Rs. 250 per mensem in what is now called the Provincial Educational Service and should have the prospects of promotion open to members of that service. I think the two additional pandits' posts should carry salaries of Rs. 80 to 100 and Rs. 60 to 80 per mensem respectively. If my suggestion is adopted and a graduate in Sanskrit and Philosophy is entertained, he may also whenever required be asked to undertake as part of his duties the teaching of subject No. 5 (a prescribed school of Indian philosophy) in Branch IV (Mental and Moral Science) for the B.A. honours course.

This would be a much more satisfactory arrangement than the entrusting of the subject to a Professor who has no first-hand knowledge of Sanskrit Philosophy.

3. The Sanskrit library in the college is very insufficiently equipped, and an initial outlay of about Rs. 2,000 would be necessary to bring up the library to the requirements of the honours course.

4. It would also be necessary to provide separate class-room accommodation for the three additional members of the staff whose employment I have suggested.

Letter—from the Registrar, University of Madras.
To—the Acting Director of Public Instruction, Madras.
Dated—the 28th November 1910.
No.—3347.

I have the honour to forward to you a copy of the report on the local enquiry conducted by the Hon'ble Mr. P. S. Sivaswami Aiyar in regard to your application for the affiliation of the Presidency College in Branch VIII of the B.A. (Honours) Course, and to request that you will be so good as to favour the Syndicate with any remarks you desire to make thereon.

It is requested that your reply may be forwarded, if possible in time, for circulation to the members of the Syndicate before its meeting on the 6th proximo.

Letter—from the Acting Director of Public Instruction, Madras.
To—the Registrar, University of Madras.
Dated—the 29th November 1910.
No.—1196.

With reference to your letter No. 3347, dated November 28, 1910, I have the honour to inform the Syndicate that in the present extreme uncertainty as to the number of students that will present themselves in Branch VIII of the B.A. (honours) course, I am not inclined to ask Government to strengthen the Sanskrit staff.

It appears to me that affiliation in the branch might be granted on the understanding that the Sanskrit school of the college will be so developed as to keep pace with any increase in the demand for higher teaching in Sanskrit.

The Syndicate as its meeting held on the 21st December 1910 adopted the above reports and resolved to recommend the Senate to record its opinion that the application for affiliation may be granted by Government.

APPENDIX C.

Report of the Syndicate upon the application from the Madras Christian College for affiliation in Branches II-A, III, IV, V and VII of the B. A. degree (honours) courses.

The Syndicate reports the following correspondence relative to this application:—

Letter—from the Principal, Madras Christian College.
To—the Registrar, University of Madras.
Dated—the 30th November 1909.

I have the honour, by direction of the College Council, to apply for the affiliation of this college in Group VI of the B.A. (pass) course and in Branches II-A, III, IV, V and VII of the B.A. (honours) course.

The college is at present a first-grade college affiliated to the University in all the Groups of the Intermediate course and in Groups I, II-A, III, IV and V of the B.A. (pass) course. It may, therefore, be regarded as satisfying the general conditions of affiliation, and the information to be supplied in accordance with Regulation 349 will fall mainly under paragraphs (b), (c), (d) and (e) of that Regulation and will refer to the fitness of the college to undertake the new courses of study in which it is now applying for affiliation.

Affiliation is sought first in Group VI of the B.A. (pass) course.

The languages taught would be, in the first instance, Sanskrit, Tamil and Telugu. For the teaching of these languages the college has already a qualified staff of pandits. Suitable rooms are also available as class-rooms. The library contains a considerable number of books on Oriental literature; and special attention will be paid to the extension of the library in this department, in the event of Group VI becoming one of the courses for the B.A. (pass) degree taught in the college.

Affiliation is also sought in Branches II-A, III, IV, V and VII of the B.A. (honours) course.

With regard to the character and qualifications of the teaching staff, and the arrangement for the teaching of experimental Science in properly equipped laboratories, it may be sufficient to refer to the information recently supplied to the Syndicate in answer to their Memorandum, dated August 7, 1909.

In making this application for affiliation in the B.A. (honours) courses, as above, the college has regard to two things: namely, the arrangements recently approved by the Senate, whereby there will be co-operation among the first-grade colleges of the University in teaching the B.A. (honours) courses, and secondly the establishment of the University library which brings within the reach of students of the University books which may not be available in college libraries.

It is recognized that additions will have to be made to the teaching staff in order to enable it to undertake work for the honours courses along with that for the pass courses, in which the college is already affiliated; and the college is prepared before taking up any of the new courses to secure such additional assistance as may be necessary.

Copies are enclosed of the catalogues of the various college libraries to which students have access—the general library, the consulting library, and the five class libraries. There is also a library for the use of M.A. students, containing over 500 volumes, of which, however, there is no printed catalogue.

A copy is also enclosed of the college calendar, containing information regarding the history and constitution of the college, its financial resources, the fees charged, hostel accommodation and other matters.

The assurances required under Regulation 349 (i) are hereby given.

Letter—from the Manager in Charge, Office of the Registrar, University of Madras.
To—the Principal, Madras Christian College.
Dated—the 23rd August 1910.
No.—2509.

With reference to your application, dated November 30, 1909, for the affiliation of the college in Group VI, B.A. degree (pass) course and in Branches II-A, III, IV, V and VII B.A. degree (honours) courses, I have the honour to inform you that the Syndicate has appointed the following gentlemen to conduct the local enquiries required by section 21 (2) (a) of the Indian Universities Act, and 348 (a) of the Regulations:—

Professor M. Rangachariyar	for Group VI.
Dr. A. C. Mitchell	for Branch II-A.
Mr. P. F. Fyson	III.
" E. Drew	IV.
" H. J. Allen	V.
" J. G. Tait	VII.

Letter—from the Manager in Charge, Office of the Registrar, University of Madras.

To—
 (1) Professor M. RANGACHARIYAR, M.A.
 (2) Dr. A. C. MITCHELL.
 (3) P. F. FYSON, Esq., B.A.
 (4) E. DREW, Esq., M.A.
 (5) H. J. ALLEN, Esq., M.A.
 and (6) J. G. TAIT, Esq., M.A.

Dated—the 23rd August 1910.

No.—2510.

An application having been received for the affiliation of the Madras Christian College in Group VI of the B.A. degree (pass) course and in Branches II-A, III, IV, V and VII of the B.A. degree (honours) courses, I have the honour to inform you that the Syndicate has appointed the following gentlemen to conduct the local enquiries required by section 21 (2) (a) of the Indian Universities Act, and 348 (a) of the Regulations:—

Professor M. Rangachariyar for Group VI.
 Dr. A. C. Mitchell for Branch II-A.
 P. F. Fyson, Esq., B.A. „ III.
 E. Drew, Esq., M.A. „ IV.
 H. J. Allen, Esq., M.A. „ V.
 J. G. Tait, Esq., M.A. „ VII.

I have to ask you to be so good as to undertake the local enquiry assigned to you and submit the report at an early date.

A copy of the affiliation application, together with enclosures, is forwarded herewith.

Letter—from the Bursar and Secretary to the College Council, Madras Christian College.

To—the Registrar, University of Madras.

Dated—the 26th October 1910.

No.—76.

With reference to the Principal's letter, dated November 30, 1909, I have the honour, by direction of the College Council, to intimate to you that the college withdraws its application for affiliation in Group VI of the B.A. (pass) course.

Letter—from Dr. A. C. MITCHELL.

To—the Registrar, University of Madras.

Dated—the 1st October 1910.

I have the honour to forward herewith my report on the application from the Madras Christian College for affiliation in Branch II-A (honours) degree.

I also forward in a separate parcel the lists of apparatus, etc., which I received from the Professor of Physics when I visited the college. These may be required by the Syndicate when the report is being considered, but I should be glad if, thereafter, they could be returned to the college.

Report on application for affiliation in Branch II-A (honours) degree.

I. In accordance with instructions from the Syndicate, I inspected this college on Wednesday, September 7, 1910.

II. The accommodation, which is being provided for honours classes in Physics, is as follows:—

Lecture room	..	..	..	..	..	..	36' x 30'
Instrument room	..	..	..	..	..	..	25' x 20'
Professor's room	..	..	..	..	..	..	11' x 20'
Laboratory	..	..	..	..	..	..	36' x 30'
Small lecture room	..	..	..	..	..	..	19' x 13'

A workshop room about 15' square is also being provided.

The laboratory referred to above is intended for practical work by honours students only. The more elementary parts of the practical work will be done in the laboratory which is intended chiefly for pass students; the special work for the higher degree will be done in the honours laboratory.

The accommodation is sufficient. The rooms are well lighted and ventilated.

III With regard to equipment, arrangements are about to be made with two local firms for the supply of (1) an oil-gas apparatus and a variety of gas appliances and fittings, (2) a motor generator, battery of small accumulators, water pump and for the electric wiring of the laboratory.

When these arrangements are complete, the laboratory will be provided with supplies of gas, water and electric current. I would observe, however, that there are apparently no arrangements for the production of alternating current, and that the capacity of the accumulators is small (30 ampere hour, with a maximum six-hour rate).

With regard to the many other directions in which equipment of the laboratory is necessary, I was given to understand that nothing had been done beyond preparing drafts of the lists of apparatus which might be purchased. The lists were handed to me and I have examined them carefully. They are, it is to be remembered, only preliminary lists, and may not represent accurately the intentions of the management with regard to equipment. But taking them as they stand, I cannot but report that the arrangement they represent are inadequate for the purposes of instruction to the honours standard in Physics. On this point (in order to anticipate a question which may be asked by the management), I would state that the proposed equipment (assuming these lists to be final) is chiefly deficient in the supply of properly constructed and certificated standards of physical quantities, and the means of comparing given quantities with such standards, and the evaluation of the principal physical constants, to a reasonably high degree of accuracy. This applies to such matters as time, length, mass, temperature, resistance, electro-motive force, magnetic declination and dip, mutual inductance, magnetic inductive effects, light intensity, sound frequency, wave length of light. I would also observe that the lists do not provide for the equipment of the workshop with tools and appliances. This, I would submit, is a most important matter in any Physical laboratory in India, where the assistance of instrument makers is not available.

As the management should have an opportunity of stating its final intentions in the matter of equipment, I would suggest for the approval of the Syndicate that the present report should not be taken as closing the matter at this stage, and that they should be requested to submit lists of apparatus, exactly described, which will show definitely what it is proposed to supply. At the same time, they should be requested to state by what date it is proposed to supply this equipment.

IV. The following will be on the staff for the purpose of teaching the honours subjects in Branch II-A:—

Mr. A. Moffat, M.A., B.Sc.

Mr. E. B. Ross, M.A.

A Professor of Chemistry (to be appointed next year).

There are also three assistants and two demonstrators, but they will be chiefly concerned with the Intermediate and pass degree work.

It is intended that a mechanic shall be appointed.

The staff is sufficient for the purposes of the present application.

V. The college has a general library, a consulting library, and class libraries on special subjects. The treatises on Physics included in these libraries are principally of an elementary character. There are, however, a fair number of books of a standard suitable for reading by honours students, and if these are supplemented (particularly in Electricity and Magnetism, the optional subject which the college proposes to teach) by some of the best modern treatises and the collected works of leading Physicists, British and Continental, the college library will be sufficient for all immediate purposes.

VI. I would recommend that the Syndicate take action on the lines indicated in the last two sentences of paragraph III above.

Letter—from P. F. Fyson, Esq.

To—the Registrar, University of Madras.

Dated—the 24th September 1910.

I have the honour to say that, in accordance with the instructions of the Syndicate communicated in your Manager's letter, No. 2510, dated August 23, 1910, with reference to the application by the Principal of the Christian College for affiliation in Branch III (honours), I visited the Christian College on Thursday, 15th instant, and made a local enquiry.

I was met there by Mr. J. R. Henderson, the Professor of Zoology, who showed me over the rooms, and gave me every assistance.

The room set apart for the Zoology classes, both pass and honours, is a very large, and well-lighted one, facing north. It is to be used for both lectures and practical work, an arrangement for Natural Science classes with which I am in hearty agreement. A large wall space and ample accommodation for black-boards and diagrams are a feature of the room. At one end, small rooms are partitioned off the main one, for the use of individual advanced students, and of the Professor and for storing diagrams, etc. Animals required for practical work are to be killed in a special place on the roof.

There is a useful collection of animal types and other specimens for reference by the students, and the class library of about 350 volumes appeared to me to answer present requirements.

The Botany classes are to be held in another smaller room. The arrangements are much less pretentious, but I was given to understand that it was not proposed to take Botany otherwise than as a subsidiary subject, and for this they will probably be sufficient. There are a few botanical books in the library, and I was shown a list of others that had been ordered, but there is no museum or herbarium.

The staff teaching Zoology consist of a Professor (Mr. Henderson), a lecturer (an M.A. of this University) and a demonstrator (a graduate in Zoology). The Botany classes are in charge of a graduate in Botany of this University.

I am of opinion that the accommodation, staff and accessories (museum, library, etc.) are sufficient to meet the requirements of a class of 'honours' students in Zoology, but that the Botany section needs strengthening as to both staff and accessories—provision of the latter being however largely a question of time.

Letter—from E. DREW, Esq.

To—the Registrar, University of Madras.

Dated—the 7th October 1910.

As desired by the Syndicate I visited the Christian College on Friday, September 2, to conduct the local enquiry in connexion with the application for affiliation in Branch IV of the B.A. degree (honours) course.

1. When all the proposed arrangements are completed, there will be ample accommodation.

2. The staff that will be responsible for the teaching of the subject will consist of three specially qualified European Professors, including the Principal, Dr. Skinner, Mr. A. G. Hogg, M.A., and Mr. Meston, M.A. There will also be an Indian Master of Arts in the same subject. Thus the staff will be exceptionally strong.

3. The Philosophy library or rather libraries (for there are four of them—class, general, consulting, and M.A.) are good and a good use is made of them. But there seems little reason why a book should be in one library rather than another. The four should be thrown into one, or almost two, a lending and a consulting library, or one for elementary and another for advanced students.

The affiliation applied for may therefore be granted.

Letter—from H. J. ALLEN, Esq.

To—the Manager in Charge, Office of the Registrar, University of Madras.

Dated—the 4th September 1910.

In reply to your letter No. 2510, dated August 23, 1910, requesting me to undertake a 'local enquiry' in connexion with the application the Madras Christian College for affiliation in Branch V (honours), I have the honour to report as follows:—

As the college is already affiliated for the pass courses, the questions with which I am called on to deal appear to be included under (b), (c), (d), (h), (i) of Regulation 349 (1910).

(b) *Teaching staff*.—The Principal informs me that the teaching for honours in History and Economics will be in the hands of Messrs. Macphail and Corley with such assistance as may be necessary from Mr. Hogg. As all these gentlemen are graduates in honours of British Universities and also teachers with experience of the needs of native students, such a provision appears fully adequate. Furthermore to relieve them of part of their Intermediate work, the Senate has recommended the permanent addition of Mr. F. W. Henderson (lately acting on the staff) to the teaching strength of the college, and failing his appointment proposes to secure a qualified Indian lecturer. The college is also prepared to obtain tutorial assistance if found to be necessary.

(c) *Buildings*.—Though no rooms have as yet been definitely assigned to the honours section in History, I understand that as soon as the new buildings have been completed, it is proposed to set aside a special class-room for them and to furnish it with maps and historical illustrations.

(d) *Library*.—The college already possesses a fair number of the books likely to be in request by honours students, and will further have the benefit of the University library.

(h) and (i) *Injurious competition*.—As the number of colleges teaching for honours in Madras or even the Presidency promises to be very limited, no question would seem to arise under either of these clauses.

In conclusion I suggest that the application for affiliation may be recommended to the Senate.

Report on local enquiry held by Mr. J. G. Tait with reference to the application of the Madras Christian College for affiliation in Branch VII of the B.A. degree (honours) course.

I visited the Madras Christian College on October 1, and had an interview with the Rev. W. Skinner, D.D., Principal of the College, and Rev. J. M. Russell and Rev. G. Pittendrigh, Professors of English. The arrangements which it is proposed to make for giving instruction in Branch VII were fully discussed. I am satisfied that the Madras Christian College will be prepared in respect of staff, library, and accommodation to give instruction in Branch VII in July 1911.

It is not yet settled which rooms are to be set apart for the teaching of this branch, but there is sufficient accommodation for the purpose in the rooms which will be set free when the teaching of Science is transferred to the new laboratories.

The staff of the college includes several Professors who have for a good many years been giving instruction to candidates for the M.A. degree in English (Old Regulations), and it is proposed to strengthen the staff with a Professor specially qualified in the subjects which are included in division (a) of Branch VII.

The library is being strengthened in this department.

It is stated in the letter of application for affiliation that the Madras Christian College relies on the undertaking which the University has given to assist in the honours courses. In view of the terms used in Regulation 364, I think the college is entitled to rely on such assistance.

Letter—from the Registrar, University of Madras.

To—the Principal, Madras Christian College.

Dated—the 9th November 1910.

No.—3132.

In continuation of this office letter No. 2509, dated 23rd August last, in reference to your application for the affiliation of the college in Branches II-A, III, IV, V and VII of the B.A. degree (honours) courses, I have the honour, by direction of the Syndicate, to forward to you copies of the reports of the several gentlemen who conducted the local enquiries with the request that the Syndicate may be informed within the course of the next fourteen days how and when it is proposed that the deficiencies indicated therein will be remedied and the suggestions made carried into effect.

Letter—from the Rev. Dr. W. SKINNER, Principal, Madras Christian College.

To—the Registrar, University of Madras.

Dated—the 23rd November 1910.

With reference to your letter No. 3132, dated November 9, 1910, forwarding copies of the reports of the several gentlemen who inspected the college in connexion with its application for affiliation in Branches II-A, III, IV, V and VII of the B.A. (honours) courses, I have the honour to submit the following explanations:—

- (1) As bearing upon Dr. Mitchell's report upon the equipment in Physical science:—
 - (a) In the estimate for the electrical equipment provision is made for the production of small alternating currents of variable periodicity by means of a 'multostat' motor generator.
 - (b) The capacity of the accumulators was purposely made small as the charging will take three and a half hours, and a battery which takes more time than this would be inconvenient for laboratory use. A few cells of large capacity may be provided later.
 - (c) A list of apparatus is appended which the management proposes to supply showing how it is intended to provide for refined work in the comparison of physical quantities with standards. Besides this, what is provided for the practical work in Group I and Group II-A of the ordinary B.A. courses will be available, for example, in Properties of Matter.
 - (d) The list shows what apparatus is to be supplied in 1911 and 1912. In 1913 additional cheaper instruments and accessories would be supplied so as to render the equipment of the honours room more independent of that of the other rooms. The last column of the list is intended to show in what directions further purchases may be made, particularly with reference to the special subject chosen. It is intended to allocate £80 per annum to the maintenance and enlargement of the stock of honours apparatus.
 - (e) The workshop (21' x 15') will be provided with a screw-cutting lathe, a lathe for wood work, a blowpipe table, a small carpenter's bench, and the necessary tools.
 - (f) The library will be added to annually so as to provide more books of an advanced character and the collected papers in English of leading physicists. As works in continental languages can be consulted in the University library, it appears unnecessary to add any of them in the meantime.

(2) The only points in Mr. Fyson's report which require consideration refer to Botany. He remarks that 'there is no museum or herbarium'. Provision for the former will be made shortly, but as Mr. Fyson indicates its formation will be a question of time. The college possesses a herbarium of local plants formed by the late Captain Hollingsworth, who was for many years lecturer in Botany at the Madras Medical College. Through an oversight this herbarium was not shown to Mr. Fyson.

Mr. Fyson also remarks that 'the Botany section needs strengthening as to both staff and accessories—provision of the latter being however largely a question of time'. The Lecturer in Botany has at present only a single Intermediate class to deal with and is in consequence

able to undertake the entire work himself. Later when need arises he will be assisted by a Botany demonstrator. The accessories referred to are engaging attention.

(3) The remaining reports do not seem to call for any remark.

List of Apparatus for the valuation of Physical constants with accuracy.

	Maker.	Certi- ficate.	Pur- chased.	Ordered.	To be got in		
					1911	1912	Later.
<i>Time.</i>			£	£	£	£	£
Clock with twelve jewelled pallets invar pendulum, electric contacts, with sounders, etc.	Ritchie.	..	..	..	40	..	..
Recording cylinder	Pye.	..	..	3	..	..	..
Time marker, Deprez signal	Camb.	..	..	..	3	..	..
Three tuning forks and two stands	Pye.	..	..	17	..	..	..
Rayleigh's synchronous motor	"	..	..	5	..	..	..
<i>Length.</i>							
Standard metre scale	Camb.	N.P.L.	..	..	..	8	..
Two reading microscopes	"	..	15	..	..	..	..
Vernier microscope, with fittings	Wilson.	..	..	..	..	..	..
Spherometer	Hilger.	..	5	18	..	..	..
<i>Mass.</i>							
Balance with platinum plated beam	Bunge.	..	..	..	20	..	..
Weights	"	P.T.R.	..	..	5	..	..
<i>Temperature.</i>							
Three normal thermometers	Kohler	P.T.R.	..	..	6	..	..
Ostwald thermostat	"	..	..	..	6	..	..
<i>Resistance.</i>							
Standard ohm	Paul.	N.P.L.	..	..	4	..	..
Box to compare a 10 ohm coil with standard ohm	Pye.	..	..	..	..	4	..
Lehfeldt Comparator	"	..	..	..	..	10	..
Carey Foster bridge and ratio coils	Paul.	..	..	..	16	..	..
Resistance box	"	..	..	..	13	..	..
Kohlrausch conductivity apparatus	Kohler.	P.T.R.	..	..	..	..	20
Kelvin Astatic galvanometer	Nalder.	..	18	..	..	..	..
<i>E.M.F.</i>							
Weston double cell, with thermometer	Camb.	N.P.L.	..	..	6	..	..
Potentiometer	Pye.	"	..	..	18	..	..
Potential divider	"	..	..	..	6	..	..
Standard 1/20 ohm	"	..	..	..	4	..	..
<i>Magnetic Dip.</i>							
Dip circle	Wilson.	..	..	..	..	5	..
<i>Capacity and Induction.</i>							
Condenser 1/3 mfd.	Paul.	N.P.L.	..	..	..	7	..
Standards of self and mutual induction	Siemens.	..	..	..	..	7	..
Secohmmeter	Paul.	..	..	..	..	..	15
Ballistic galvanometer	Nalder.	..	18	..	..	..	20
Searle's magnetic induction apparatus	"	..	..	..	..	..	..
Lenard's bismuth spiral	"	..	..	..	..	3	..
<i>Light Intensity.</i>							
Simmanee Abady head and saddle	..	..	..	..	12	..	..
Standards	..	N.P.L.	..	..	..	..	15
<i>Wave Length of Light.</i>							
Optical bench (mainly for interference work)	Wilson.	..	..	..	..	55	..
Spectrometer with accessories	"	..	..	..	..	29	..
<i>Sound Frequency see Time Also.</i>							
Apparatus for the determination of viscosity, freezing and boiling points, vapour density, latent heat, resistance of electrolytes, electro-chemical equivalents, etc.	Kohler.	..	..	..	58	50	..
Balances and weights	Sartorius	..	..	..	..	30	..
Total	..	..	56	43	217	208	70

Letter—from the Registrar, University of Madras.
To—Dr. A. C. MITCHELL and P. F. FYSON, Esq.
Dated—the 1st December 1910.
No.—3396.

I have the honour to forward herewith a copy of a letter, dated November 23, 1910, from the Principal, Madras Christian College, submitting his remarks on your report in connexion with his application for the affiliation of the college in Branches II-A and III of the B.A. (honours) courses, and to request the favour of your remarks thereon for submission to the Syndicate at its meeting on the 6th instant.

Letter—from P. F. FYSON, Esq., B.A., F.L.S.
To—the Registrar, University of Madras.
Dated—the 3rd December 1910.

I have the honour to acknowledge the receipt of your letter No. 3396, dated the 1st instant and received yesterday, enclosing a copy of a letter from the Principal, Christian College, anent my report to the Syndicate on the equipment of that institution in respect of Botany for the honours course.

(i) I note that there is a herbarium which was not shown me.

(ii) I did not lay stress on the need of equipment, as I consider it far better that living plants should be studied than diagrams or models.

(iii) But, with reference to my remarks about the staff, I know the gentleman in charge of the Botany section, for he graduated from my class at the Presidency College, and though I formed a very favourable opinion of his abilities, I can only say that, in my opinion, no one should be considered competent to take an honours class in any subject, who has not done more than pass the B.A. under the Old Regulations, only a year or two previously. He should be quite able to take a small Intermediate class himself.

Letter—from Dr. A. C. MITCHELL.
To—the Registrar, University of Madras.
Dated—the 17th December 1910.

I have the honour to acknowledge receipt of your letter No. 3396 of 1st instant with enclosures.

2. If the management of the Christian College provide apparatus as shown in the list forwarded with the Principal's letter, dated November 23, 1910, and if they allot £80 per annum for the purchase of apparatus for the honours courses in Physics [*vide* section 1 (e)], it will be sufficient, in my opinion, for the purposes of these courses.

The Syndicate at its meeting held on the 21st December 1910 adopted the above reports and resolved to recommend the Senate to record its opinion that the application for affiliation may be granted by Government.

APPENDIX D.

Report of the Syndicate upon the application from the Director of Public Instruction, Travancore, for the further affiliation of the Maharaja's College, Trivandrum, in Group VI of the B.A. degree (pass) courses.

The Syndicate reports the following correspondence relative to this application:—

Letter—from the Director of Public Instruction, Travancore.
To—the Registrar, University of Madras.
Dated—the 22nd June 1910.
No.—4034/989.

In accordance with instructions received from the Government of Travancore, I have the honour to submit this application for affiliation of His Highness the Maharaja's College, Trivandrum, for the purposes of Group VI of the B.A. (pass) degree, and to request that affiliation may be granted so as to enable teaching in that Group to be begun immediately after the summer vacation of 1911.

2. The information required under Regulation 347 is given in the enclosed memorandum.

Memorandum.

I. The college is under the management of the Government of Travancore. For administrative purposes it is placed in charge of the Director of Public Instruction, Travancore, to whom the Principal is responsible.

II. The languages which it is proposed to take up are Sanskrit and Malayalam. The following staff has been appointed for the purpose :—

Professor of Sanskrit and Dravidian Languages.—Mr. A. R. Raja Raja Varma, M.A., has been appointed to this post. He was for some years Principal of the Sanskrit College, Trivandrum, and latterly has been Superintendent of Vernacular Studies in His Highness the Maharaja's College, Trivandrum. He obtained the degree of M.A. in Sanskrit in 1892, and is a recognized authority on the Malayalam language.

Malayalam Tutor.—Mr. C. N. A. Ramaiya Sastri, M.A., has been appointed. He was formerly Assistant Malayalam Translator to Government, and, later, Malayalam Munshi in His Highness the Maharaja's College, Trivandrum. He passed the M.A. degree in Malayalam and Tamil in 1908.

Sanskrit Tutor, Malayalam Pandit and Sanskrit Pandit.—These appointments have not been filled up as yet, but the salaries offered (Rs. 100—150 for the Tutor, and Rs. 50—70 for the Pandits) should enable us to secure good men.

All four appointments are held subject to the same conditions as apply to all public servants under the Government of Travancore. The service is, of course, pensionable service.

III. It is believed that the accommodation provided in the college will be sufficient. This is a matter which may be left for the person making the local enquiry [under Regulation 348 (a)] to report upon.

Provision has already been made for the residence of students in the Government hostel and the London Mission hostel.

IV. A list of books on Sanskrit, Malayalam and allied subjects is appended. It is intended that a special allotment should be made for additional books before May 1911.

V. One of the Professors of the college is warden of the Government hostel.

VI. As regards the financial resources of the college and the provision for its continued maintenance, the fullest guarantees can be given.

VII. With reference to Regulation 347 (h), there is no other first-grade college at which Sanskrit and Malayalam are likely to be taught unless, it be at Mangalore, 400 miles distant.

VIII. The fees are slightly lower than those in the Madras Presidency generally, but this has never led to any undesirable competition with other colleges.

IX. Assurances are hereby given (1) that any transfer of management and all changes in the teaching staff shall be forthwith reported to the Syndicate, and (2) that except with the special permission of the Syndicate no college Professor or Lecturer will be allowed to lecture to a class or section of a class which has on its rolls more than 150 students, and if two classes are combined the joint number on the rolls shall likewise not exceed 150.

Letter—from the Manager in Charge, Office of the Registrar, University of Madras.

To—the Director of Public Instruction, Trivandrum.

Dated—the 19th August 1910.

No.—2481.

With reference to your letter, No. 4034/989, dated June 22, 1910, submitting an application for affiliation of the Maharaja's College, Trivandrum, in Group VI, B.A. degree (pass) course, I have the honour to inform you that the Syndicate has appointed Rao Bahadur M. Rangachariar, M.A., Professor of Sanskrit, Presidency College, Madras, to conduct the local enquiry required by section 21 (2) (a) of the Indian Universities Act, and 348 (a) of the Regulations.

Letter—from the Manager in Charge, Office of the Registrar, University of Madras.

To—Professor M. Rangachariyar, M.A.

Dated—the 19th August 1910.

No.—2482.

An application having been received from the Maharaja's College, Trivandrum, for its affiliation in Group VI, B.A. degree (pass) course, I have the honour to inform you that the Syndicate has appointed you to conduct the local enquiry required by section 21 (2) (a) of the Indian Universities Act, and 348 (a) of the Regulations.

I have to request you to be so good as to undertake the work and submit the report of your enquiry at an early date.

The application in original is forwarded herewith.

Letter—from Rao Bahadur M. RANGACHARIYAR, M.A., Professor of Sanskrit and Comparative Philology, Presidency College, Madras.

To—the Registrar, University of Madras.

Dated—27th October 1910.

As desired in your letter, No. 2482, dated August 19, 1910, I conducted the local enquiry required in relation to the application of the Maharaja's College, Trivandrum, for affiliation in Group VI, B.A. degree (pass) course, in Sanskrit and Malayalam.

2. The staff proposed in the memorandum submitted to the Syndicate by the Director of Public Instruction in Travancore is quite adequate for the purpose. Mr. Raja Raja Varma, M.A., who has been appointed Professor of Sanskrit and Dravidian Languages, is a good Sanskrit and Malayalam scholar and possesses well the required qualifications for the discharge of the duties of his office in so far as they may relate to the two languages above mentioned. I have been able to gather that Mr. C. N. A. Ramaiya Sastri, M.A., who has been already appointed as Malayalam Tutor, is also well qualified to do his work. It is necessary to take care that equally competent men are obtained to fill the appointments of the Sanskrit Tutor, the Sanskrit Pandit and the Malayalam Pandit.

3. The accommodation now provided in the college is far from sufficient for the requirements of all the Sanskrit and Malayalam classes, as they may arise after the affiliation of the college in these languages for the B.A. (pass) course. Dr. A. W. Bishop, the Principal of the college, told me that he was also of the same opinion, and assured me that suitable accommodation would become available as soon as the new contemplated removal of the high school classes from the college buildings is actually effected. From personal inspection also I made out that good rooms would then become available for these classes. It is, therefore, desirable that early action is taken to effect this contemplated transfer of the high school classes to some other building.

4. It struck me that the library was rather poorly supplied with books relating to this course of study; and Mr. Raja Raja Varma told me that he was getting ready a list of books needed to enrich the library in what may be called its Oriental department; and the Travancore Director of Public Instruction says, in his memorandum above referred to, that 'it is intended that a special allotment should be made for additional books' of this kind 'before May 1911'.

5. It may not be out of place, if I mention here that His Highness the Maharaja of Travancore was pleased to grant me an interview in which he gave me to understand that every thing that was needed to make the college fulfil well the requirements demanded by the New Regulations of the University would be carried out as early as possible by His Highness's Government.

Accordingly I report that the Maharaja's College, Trivandrum, deserves to be recommended for affiliation in Branch VI for the B.A. (pass) course, in Sanskrit and Malayalam.

The Syndicate at its meeting held on the 1st November 1910 adopted the report and resolved to recommend the Senate to record its opinion that the application for affiliation may be granted by Government.

II

Endorsement No. 333-1, Educational, dated 16th February 1911.

Referred to the Director of Public Instruction for very early report.

G. F. PADDISON,
Deputy Secretary to Government.

To the Director of Public Instruction.

III

Letter—from the Hon'ble Mr. J. H. STONE, M.A., F.R.H.S., Acting Director of Public Instruction.

To—the Secretary to Government, Educational Department.

Dated—the 3rd March 1911.

No.—R.C. 1151.

In submitting herewith the papers received with your endorsement No. 333-1, dated 16th February 1911, I have the honour to state that the applications for affiliation referred to in the Registrar's letter may be granted.

Order—No. 151, Educational, dated 15th March 1911.

Under section 21, sub-section (4), of the Indian Universities Act, 1904, the Governor in Council is pleased to sanction the further affiliation to the University of Madras of the following colleges, in the standards and in the groups of subjects specified against each :—

Name of College.	Standard.	Groups of subjects.
(1) The St. Joseph's College, Trichinopoly.	B.A. (honours) degree	.. I. Mathematics. II-A. Physical Science. V. History and Economics.
	B.A. (pass) degree	.. II-B. Physical Science.
	Intermediate	.. II. (a) Natural Science. (b) Physics. (c) Chemistry.
(2) The Presidency College ..	B.A. (honours) degree	.. I. Mathematics. II-A. Physical Science. II-B. Do. III. Natural Science. IV. Mental and Moral Science. V. History and Economics. VII. English Language and Literature. VIII. Sanskrit Language and Literature.
(3) The Madras Christian College.	Do.	.. II-A. Physical Science. III. Natural Science. IV. Mental and Moral Science. V. History and Economics. VII. English Language and Literature.
(4) The Maharaja's College, Trivandrum.	B.A. (pass) degree	.. VI. Two languages.

(True Extract.)

L. DAVIDSON,
Ag. Secretary to Government.

To the Registrar, Madras University.
,, Director of Public Instruction.
Gazette.
Editors' Table (order only).

EDUCATIONAL DEPARTMENT.

NOTES CONNECTED WITH G.O., No. 151, EDUCATIONAL, DATED 15TH MARCH 1911.

[SUBJECT.—*Application for the further affiliation of certain colleges.*]

Previous paper :

G.O., No. 841 Edl., dated 27th December 1910.

From the Registrar of the University of Madras, dated 11th February 1911, No. 339.

Submitted that the applications may be referred to the Director of Public Instruction for early report.

2. The draft endorsement is for approval. For precedents please see endorsement No. 2312-1, dated 24th November 1910, on page 12 of G.O., No. 756, Educational, dated 20th December 1910, and endorsement No. 524-1, dated 19th March 1910, on page 8 of G.O., No. 189, Educational, dated 9th April 1910.

S.K.—16-2-11.

Under sub-section (4) of section 21 of the Indian Universities Act, 1904, the sanction of Government is required for the affiliation—*vide* also Regulation 350 (last paragraph) of the University Regulations.

K. RANGASWAMI AIYANGAR—16-2-11.

Issue.

G. F. PADDISON—16-2-11.

[Memorandum No. 333-1, dated 16th February 1911.]

From the Director of Public Instruction Re. No. 1151, dated 3rd March 1911.

The Director of Public Instruction recommends that the applications for affiliation submitted by the Registrar of the University may be granted.

The draft is for approval.

T.K.—11-3-11.

K. RANGASWAMI AIYANGAR—11-3-11.

G. F. PADDISON—13-3-11.

M. H[AMMICK]—14-3-11.

Issue.

G. F. PADDISON—15-3-11.

[G.O., No. 151, Educational, dated 15th March 1911.]

READ ALSO:—

” ” ” ” ” ” ” 191

No. 157, dated 15. 3. 1911

P. S.

Order only to be placed on E.T.

3/15/2

Section

the Indian Universities Act, ~~1904~~, 1904

Name of College.

Standard.

Groups of subjects.

(1) The St. Joseph's College,
Trichinopoly

B.A. (Honours) degree

i. Mathematics.

ii. A. Physical Science.

v. History & Economics.

B.A. (Pass) degree

ii. B. Physical Science.

Intermediate

ii. (a) Natural Science

(b) Physics,

(c) Chemistry.

(2) The Presidency College

B.A. (Honours) degree

i. Mathematics.

ii. A. Physical Science.

ii. B. Do.

iii. Natural Science.

iv. Mental & Moral Science.

v. History and Economics.

vii. English Language and Literature.

viii. Sanskrit Language and Literature.

(3) The Madras Christian College.

Do.

ii. A. Physical Science.

iii. Natural Science.

iv. Mental and Moral Science.

v. History and Economics.

vii. English Language and Literature.

(4) The Maharajah's College
Trivandrum.

B.A. (Pass) degree

vi. Two languages.

T.H.
11.3.11

20
12.3.11

Scipio de
3/5/11

for
13/3/11

The Registrar, Madras University.

" D. P. I.

Gazette

Editors Table.

no 306/190775. Part I-B d 21-3-11.

ORDINARY

PREFERENCE

URGENT (a).

EDUCATIONAL
LEGISLATIVE DEPARTMENT.

Current No., dated 190
G.O., No. 151, dated 15-3- 1911.

Number of MS. pages sent
Correspondence including order or orders

Docket Affiliation of Colleges - Sanctioning
the application to the University of Madras
the Presidency College, the Madras
Christian College and the St. Joseph's
College and the Mahipal College

Number (c) of copies required when struck off (not including
copies for volumes and editors' table which are retained
on the Press).

FOR RECORD.* Subjects.		Complete Correspondence and orders.	Notes
Madras Records	...	30	15
Ooty Records	...	3	3
For filing with original	...	1	1
Total		34	19

FOR ISSUE.†

	Letter only.	Complete G.O.	Special issue copies (d) of G.O.		Notes.
			No.	Papers.	
Signature copies.....					
India Office.....					
Govt. of India.....Dept.					
Public Department.....					
Judicial Department.....					
Financial Department.....					
Revenue Department.....					
Public Works Department.....					
Local and Municipal Department.....					
.....Dept.					
Total					
Spare copies.	The Director of Public Instruction.....	5			
	The Comr. for Govt. Examinations.....				
	The Superintendent, Govt. Museum.....				
	The Surgeon-General.....				
	The Accountant-General.....				
	The Collector of.....				
	The P. D. B.....				
	The <u>Left M.A.</u>	10			
	The.....				
	The.....				
	The.....				
	The.....				
	The.....				
	The.....				
	The.....				
Total					

INSTRUCTIONS FOR THE SECRETARIAT.

(a) If a paper is marked to be printed urgently, the Superintendent of the section concerned should sign the Press slip. The Superintendent should exercise a careful discretion in the matter.

(b) Each letter, memorandum, or order, or set of orders, in the file of correspondence should be headed in succession with the Roman numeral I, II, III, etc., the number being written in red ink or blue chalk above the item. The particular papers to be printed in the special issue-copies should be indicated by the Roman numeral (I, II, etc.) by which that item has been headed in the correspondence file. All matter, including marginal remarks or references, to be printed should be written in ink and matter which should not be printed should be encircled. Initials and signatures that are not quite legible should be re-written distinctly.

(b¹) For rules regarding printing of notes, see the rules in G.O., No. 1220, Public, dated 30th November 1900.

(c) The number of copies and the details of distribution should be filled in by the Superintendent or Referencer concerned.

(d) In the absence of special instructions to the Press to keep matter standing for a specified period, ordinary papers of 8 pages and under will be kept standing for one week, and larger papers for two weeks only. The type of notes and of all confidential papers is distributed immediately after striking.

(e) This slip, properly and completely filled in, should accompany every paper sent to Press; it will be returned by the Press when proofs are furnished; it should be sent to the Press when a call is made for revised proofs or when a corrected proof is sent for striking. When finally returned by Press it should be filed with the original order or letter.

INSTRUCTIONS FOR THE PRESS.

(a) If, in the opinion of the Superintendent of the Press, a paper has been marked urgent unnecessarily, he should send the Press slip to the Deputy Registrar with a remark to that effect.

(b) Unless a note to the contrary is made against the matter, pencil entries should not be printed. The Superintendent of the Press may bring to the notice of the Deputy Registrar any instance of incomplete or careless editing.

(c) Signature copies of letters to the Secretary of State or to the Government of India should be printed on hand-made paper.

(d) This slip should be returned by the Press to the Secretariat when proofs are furnished; it will be sent back to the Press when proofs are returned corrected and should be finally returned to the Secretariat when struck-off copies are supplied.

(e) The names of the Secretary and Members should be printed in full when they occur on the right hand side, but only the first time when they appear on the left side, the initials alone being printed later.

* Copies distributed on..... (Press Clerk.)

† Copies distributed on..... (Despatcher.)

* To be initialled and dated.

TO PRESS, OOTY.

A	B	C
Please send proof in triplicate. The papers have been carefully edited.	Proof returned corrected. Please strike off and send number of copies as indicated.	As the matter is clear manuscript and has been carefully edited, (b) proof need not be sent. Please print and supply number of copies as indicated.
Type may be released after usual interval at once.	Type may be released after usual interval at once.	Type may be released after usual interval.
.....Clerk.	Clerk.	Clerk.
.....Supdt.	Supdt.	Supdt.

(b) Three copies of proof of all notes should be sent for approval, except when instructions are given to the contrary.

SPECIAL INSTRUCTIONS.

TO BE FILLED IN BY THE PRESS.

Diary.	Initials of Press official.
Received in Press on.....	10-10-41 Lb
First proof furnished on.....	12-4-41 Lb
Call for revised proof received on.....	
Revised proof furnished on.....	
Corrected proof received for striking on.....	28-4-41 Lb
Final copies supplied on.....	3-5-41 Lb

Account of copies.	Complete copies.	Notes.	Issue copies.
Supplied to Secretariat for Record.....	84		
" " " Issue.....	15		
For Volumes.....	16		
For E. T.....	7		
Total ...	140		