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UBCHEA ARCHIVES
COLLEGE FILES
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Hangchow
Administrative
Re. cooperation between
Hangchow and Soochow
1941

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0330

Dr. R. J. McMullen

MINUTES OF THE JOINT MEETING OF PRESIDENTS AND ARTS COLLEGE FACULTIES
OF SOOCHOW UNIVERSITY AND HANGCHOW CHRISTIAN COLLEGE

Date: January 6, 1941

Time: 4:30 P. M.

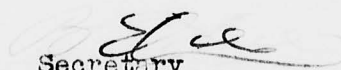
Place: Office of President Nance of Soochow University

Present: Dr. W. B. Nance, Acting President of Soochow University, Chairman
Dr. R. J. McMullen, Acting President of Hangchow Christian College
Dean J. M. Pan, Soochow University
Dean S. C. Wang, Soochow University
Dean C. H. Hsu, Soochow University
Professor Frank C. Ferguson, Soochow University
Dean Tienkai L. Tan, Hangchow Christian College
Professor C. B. Day, Hangchow Christian College
Professor R. S. Lautenschlager, Hangchow Christian College
Mr. Baen E. Lee, Hangchow Christian College

Dr. Nance made an opening statement explaining the reason for the meeting, after which Mr. Baen E. Lee made a similar statement in Chinese. Dr. R. J. McMullen, Acting President of Hangchow Christian College, expressed the importance of this movement and also expressed the wish that the Arts Colleges of Soochow and Hangchow will become one college as far as instruction is concerned, though the independence of the two institutions remains unchanged. After some discussions it was agreed by the members present that departmental meetings should be held of the three departments: Chinese, English, and Political Science. During these meetings Dr. Chester Miao be requested to be present. Dr. Nance will meet with the English Department; Dr. McMullen with the Political Science Department; and Mr. Baen E. Lee with the Chinese Department. By mutual consent the three meetings will take place as follows:-

- (1) English Department - 9:00 A.M., Monday, January 13th, in President Nance's Office
- (2) Political Science Department - 4:00 P.M., Friday, January 10th, in President McMullen's Office
- (3) Chinese Department - 4:15 P.M., Thursday, January 9th, in Room 622

These meetings may call in professors offering courses in Senior College if desired.


Secretary
Pro tem.

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- I. Exchange (in confidence) complete information on
 - 1. Senior College courses offered.
 - 2. Teachers handling such courses, stating qualifications and salaries paid.
 - 3. Number of students taking each course.
- II. Experiment in some mutual agreed department or college thorough going correlation so as:
 - 1. To publish one combined list of courses.
 - 2. To adopt a unified budget, each participating institution share in the proportion to number of students in department or college.
- III. Exchange a frank statement on policy of future development.

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A COMPARATIVE STUDY OF SALARIES AND WAGES INCLUDING ALLOWANCES
AND PRIVILEGES

| | Soochow University | Hangchow Christian College |
|-----------------------------|-----------------------|-------------------------------|
| Rank: Professors | | |
| Basic salary | \$250.00 | \$250.00 |
| Actual: Median | 539 | 542.50 |
| Average | 530 | 534 |
| Range | 623-422 | 582.50-482.50 |
| Associate Professors BS | 230-200 | 225-200 |
| Actual: Median | 382 | 498 |
| Average | 389 | 488.12 |
| Range | 490-384 | 556.25-420 |
| Assistant Professors BS | 180-150 | 180-150 |
| Actual: Median | 338 | 380 |
| Average | 348 | 384 |
| Range | 388-328 | 420-340 |
| Lecturers | BS 140-100 | 120-100 |
| Actual: Median | 273 | 290 |
| Average | 267 | 282.80 |
| Range | 329-206 | 300-240 |
| Instructors & Assistants | BS 90-50 | 90-60 |
| Actual: Median | 175 | 174 |
| Average | 179 | 190.50 |
| Range | 235-141 | 296-152 |
| Misc. Staff | 40-35 | No staff below 60 |
| Actual: Median | 140 | |
| Average | 127 | |
| Range | 168-70 | |
| Servants : Men | | |
| Average actual | 103 | 89 |
| Women | | |
| Average actual | 83 | 80 |

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Memo concerning Cooperation between Hangchow and Soochow.

This memo seeks to outline immediate steps which might be taken in the spring semester of 1941.

I. Separation of lower division from upper division. This would put into force immediately the separation which would come about when the first two years of Hangchow College return to Hangchow and the first two years of Soochow University return to Soochow. This would greatly clarify the issue and make it possible to concentrate upon the problems of cooperation in the upper division.

II. Organization of lower division. This should be worked out and put into effect in the spring semester so as to put the lower division on a basis which would enable it to remove to Hangchow or Soochow at any time. This would include the following phases:

1. Students. The student body in the first two years should be limited to the number which is expected ultimately to accommodate on the campus in Hangchow or Soochow.
2. Faculty. The faculty should be divided and a separate faculty organized for the lower division.

So far as possible in the spring semester faculty members should be assigned for their full time to either upper division or lower division. This could probably not be completely carried out until the fall semester of 1941. By that time only those should continue to teach in both divisions who could actually continue to do so after the lower division is removed to the old campus.

3. Administration. A separate dean should be appointed for the lower division and a separate departmental organization set up in each department with a chairman.
4. Budget. A separate budget should be set up and a separate financial statement rendered.

Salaries and departmental expenses should be on the basis as actually used. Under operation and maintenance a division should be made placing in the regular budget the usual cost of operation and maintenance for such portion of the plant in Hangchow and Soochow as will be used ~~for the upper division~~ ~~or~~ for the lower division and charging the rest to the emergency budget.

5. It would be most desirable to move either the lower division or the upper division so as to have a physical separation so far as practical to correspond to the later separation when the lower division is in Hangchow or Soochow and the upper division in Shanghai.

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6. The question as to whether the senior middle school and the college lower division should be separate or integrated into one unit is a problem which can be left for future solution.

III. Organization of upper division.

1. Principle of institutional identity. In the upper division the object is to secure a maximum of cooperation while maintaining the separateness and identity of Hangchow College and Soochow University. In the lower division this separateness is absolute as each institution has its separate campus and is entirely responsible for balancing its own budget.

In the upper division the identity of each institution should be maintained so far as possible.

2. In the interest of maintaining separateness and identify non-duplicating colleges or departments such as ~~the~~ comparative law school or the department of architectural engineering should continue to be managed and financed separately by one institution or the other. This, however, need not prevent their being brought into the common picture and exhibited as parts of a whole.

3. Colleges or departments which overlap such as the Colleges of Arts or Departments of Chemistry, which in both cases overlap into the field of applied science, would probably have to be handled as joint departments.

IV. Method of procedure in organizing the upper division.

1. Faculty. Both Hangchow College and Soochow University should present confidential lists of faculty - upper division only - giving qualifications, salary, and teaching schedule, listing courses and credits. This list should cover both separate departments or colleges like law or architectural engineering or the departments which overlap.

2. Budgets. The budget as set up by each institution for the upper division should be presented in full detail giving expenses as well as items of administration, operation and maintenance.

3. Committee to work out proposals. Each institution should appoint one person and jointly agree upon a third person outside of either institution to deal with the whole situation and make proposals for the organization of the upper division on the new basis including the following:

- (a). Curriculum, covering both separate and joint departments.

- (b). Administrative set-up including the personnel of deans and department heads.

- (c). Budget. A unified budget should be set up including the departments financed separately by each institution and those to be financed jointly, and covering all expenses.

- (d). Income. Proposals should cover the budget from the side of income as well as expenditures and the possibilities of joint efforts to secure funds.
- (e). Other administrative details.

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PROPOSAL FOR COOPERATION

between

Hangchow Christian College and Soochow University

I. General Proposal.

This is a proposal for the setting up of an organization, to be put into effect at the beginning of the spring semester 1941.

Member Institutions.

The cooperating institutions are Hangchow and Soochow. After the new organization has been put into effect, an invitation to join shall be sent to Shanghai and St. John's.

Principle of Identity and Separateness.

The guiding principle shall be to maintain the identity of Hangchow Christian College and of Soochow University as separate institutions, while cooperating where advantageous, and eliminating all overlapping.

Cooperation will take place in the upper division only.

The separateness will be absolute in the case of the lower division of Hangchow Christian College on the old campus in Hangchow, and of the lower division of Soochow University in Soochow. In the meantime, until it is possible to return to the former campuses, such separation between the upper and lower divisions shall be made as may be practical in each institution.

The identity and separateness will be absolute in the case of the upper divisions of colleges or departments where there is no overlapping. These include civil engineering, architectural engineering, and education in Hangchow Christian College, and law, sociology and biology in Soochow University.

Joint Program of Studies.

In departments in the upper division where the two institutions overlap, it is proposed that a Joint Program of Studies be set up including departments of Chinese, English and Political Science in the College of Arts, the College of Commerce, and Chemical Engineering.

Here the principle of identity and separateness would be applied so far as possible, cooperation being only along such lines as may prove necessary for the sake of educational and financial efficiency.

Diagram.

To present the maintenance of the identity of the member institutions, the separateness of the majority of their departments, and the scope of the Joint Program of Studies.

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| <u>Separate</u> | <u>Joint Program</u> | <u>Separate</u> |
|---|--|--|
| Hangchow College | Joint Program of Studies | Soochow University |
| Upper Division in Shanghai Civil Engineering Architectural Eng. Education | Arts: Chinese English Political Science Commercial & Economics Chemical Engineering | Upper Division in Shanghai Law Sociology Biology |

| | |
|-----------------------------------|----------------------------------|
| Hangchow College | Soochow University |
| Lower Division in Hangchow | Lower Division in Soochow |

Identity of Each Student Body.

The identity and separateness of the student body of each institution would be maintained.

Class organization and student life would carry over from the lower division into the upper in each institution except for the mingling in certain classes, which would effect only the students in the field of the Joint Program of Studies.

Identity of Each Curriculum.

There would be no joint catalogue. All courses in the Joint Program of Studies would be listed in the catalogues of both institutions. Students would elect courses as if in their own institution but would find themselves in the same classes with students of the other institution.

Identity of Each Faculty.

The catalogue of each institution would list the faculty of both institutions in the field of the Joint Program of Studies. There would be no joint faculty, apart from the faculties of the two member institutions.

In view of the prospective increase in the number of students in the upper division there would be no decrease in size of faculty resulting from this cooperation.

Joint Departments.

The upper division subjects offered by both institutions in each department within the Joint Program of Studies, would be unified, and duplicate course eliminated.

The faculty members of the two institutions in each department within the Joint Program of Studies would be organized into a single department with a department head. The department head would be appointed with the approval of both presidents and, other things being equal, would be chosen from the institution having the predominant faculty in the department concerned.

New faculty members would be engaged with the usual consultation of department heads and subject to the approval of both presidents. They would be assigned, other things being equal, in rotation to the two cooperating institutions.

The presidents of the two member institutions would agree ^{that neither would} ~~to~~ engage any faculty member for any department within the Joint Program of Studies without the approval of the president of the other member institutions.

Sharing Cost of Instruction

Each member institution would bear an equitable share of the cost of instruction in the Joint Program of Studies.

The cost per student in each class would be worked out by adding to the pro rata salary of the instructor the pro rata share of departmental expenses and books, and dividing the same by the number of students. Each institution would pay a share of this cost based upon the number of its students taking the course concerned.

Administration of Joint Program of Studies.

In view of the emphasis in this proposal on the identity and separateness of the two institutions, of the momentum of their separate activities and traditions, and of the difficulty of making a separation at once between their upper and lower divisions, there will be difficulty in putting this plan of cooperation into effect. It will be easily lost sight of, and the same persons will tend to go on in the same way, and not take seriously the development of any thoroughgoing cooperation. Some special administrative set-up will be necessary to overcome this.

It is proposed that in order to work out the Joint Program of Studies and the relation of the faculty and curriculum of each institution to the same, together with the readjustments from time to time, a director of studies would be appointed. He would be an officer outside the faculty of the member institutions. He would have a large degree of initiative in the field of organization and relationships, but his recommendations of department heads and new members of faculty would be subject to the approval of the presidents of both member institutions.

The office of the director of studies would have the responsibility for working out all joint costs and clearing all matters of finance between the member institutions.

Separation of Upper and Lower Divisions.

The separation of the upper and lower divisions is not a necessary part of this proposal. However, such separation would remove one complication in a very complicated situation, and would ~~be~~ necessary

whenever the lower divisions can be moved to Hangchow and Soochow. Such separation may be borne in mind and worked toward by each institution as may be possible.

The appendix at the end of this study provides an analysis of the teaching in the upper and lower divisions of each institutions

NOTES ON PART I - GENERAL PROPOSAL

Administration of Joint Program of Studies

The above proposal for cooperation is on a very limited basis. In fact, as compared with union universities the amount of cooperation would appear to be inadequate. This is due to the necessity of maintaining the separateness and identity of the two institutions.

It should be recognized that this separateness and the continuance of the two institutions as aggressive going concerns creates a serious hazard in connection with the successful carrying out of the Joint Program of Studies.

The proposal is made above that there be a separate administration for the Joint Program of Studies under the direction of the two presidents. This in itself involves difficulties. The question is whether some thing of this sort is not a necessity if the joint program is actually to function.

The alternative would be a committee system. The experience of the Associated Christian Colleges during the last three years does not give grounds for optimism as to the success of such a system. The spirit of cooperation has been very clearly overcome by the spirit of aggressiveness and competition in the several institutions.

In order to make the Joint Program of Studies actually function it is necessary that some individual or small group give a great deal of thought to it. That implies two things:

The first is detachment so that the Joint Program of Studies may be looked at on its own merits and the joint possibilities considered. The complete detachment desirable is not possible on the part of the administrators of the individual institutions who are necessarily and properly concerned with the pushing of the affairs of the institutions to which each is related.

The second is time. The administrators and deans in both institutions are too much overloaded with regular and special problems to have the leisure to give to the successful working out of this complicated new adjustment. It will take a great deal of time and study.

II. JOINT PROGRAM OF STUDIES-CURRICULUM & FACULTY

The curriculum within the Joint Program of Studies is presented below, giving faculty and number of students. The presentation is on the basis of the work actually offered in the Fall Semester 1940.

COLLEGE OF ARTS

The main departments in which there is overlapping and which would therefore be included in the Joint Program of Studies are Chinese, English, and Political Science. Others would be added if necessary.

Department of Chinese

The courses given in Fall 1940 total 41 credits and are as follows:

Hangchow - 32 credits.

| <u>No.</u> | | <u>Year</u> | <u>Inst.</u> | <u>Credits</u> | <u>Students</u> |
|------------|---|-------------|--------------|----------------|-----------------|
| 113 | Selected Poems | 3 | Hsia | 3 | |
| 117 | Chinese Phonetics | 3-4 | Shu | 3 | |
| 122 | Chinese Rhetoric & Com. | 4 | Shu | 2 | |
| 125 | Chinese Rhymes | 4 | Hsia | 3 | |
| 210 | Four Books | 3 | Jen | 3 | |
| 212 | Books of Rites | 3-4 | Jen | 3 | |
| 217 | Chronicles by Tsu Ma Chien | 4 | Hsia | 3 | |
| 219 | Hist. of Chinese Phil. | 3-4 | Wang | 3 | |
| 225 | Studies in the Cataloging of Chinese Publications | 3-4 | Wang | 3 | |
| 230 | History of Phonetics | 3-4 | Jen | 3 | |
| 242 | A General Treatise on Chinese Classics | 3-4 | Shu | 3 | |

Soochow - 9 credits.

| | | | | | |
|-----|------------------------------------|--|------------|---|---|
| 305 | Selected Poems | | Wang, C.T. | 3 | 5 |
| 312 | Modern Chinese Literature | | Hu, S.Y. | 2 | 6 |
| 317 | Selected Books in Chinese Classics | | Kung, Y.H. | 2 | 9 |
| 400 | Senior Thesis | | Kung, Y.H. | 2 | 2 |

Duplicate Courses

| | | |
|----------------|--------|--------|
| Selected Poems | (H 113 | S 305) |
| Classics | (H 242 | S 317) |

| <u>Combined Faculty</u> -7 persons | <u>Credits</u> | <u>(L.B.Cr.)</u> | <u>Part or Full time</u> |
|------------------------------------|----------------|------------------|--------------------------|
| <u>Hangchow</u> - Hsia | 9 | | |
| Shu | 8 | | |
| Jen | 9 | | |
| Wang | 6 | | |
| <u>Soochow</u> - C.T. Wang | 3 | - | |
| S.Y. Hu | 2 | - | |
| Y.H. Kung | 4 | (9) | |

Department of English

The upper division courses offered (Fall 1940) total 30 credits and are as follows:

Hanchow - 15 credits.

| No. | Year | Inst. | Credits | Students |
|-----|-------|------------|---------|---|
| 205 | 2-3-4 | Mrs. White | 3 | 20 |
| 211 | 2-3-4 | Ling | 3 | 27 |
| 213 | 2-3-4 | Day | 3 | 31 (all Hcw; 13 Soph, 16 Jr, 2 Sr) |
| 225 | 2-3-4 | Day | 3 | 38 (25 Hcw; 13 others) |
| 217 | 2-3-4 | Day | 3 | 18 (all Hcw students) 8 Jrs, 10 Sophs. |
| 223 | 2-3-4 | Day | 3 | |

Soochow - 15 credits.

| | | | | |
|-----|----------------------------|----------------|---|----|
| 305 | Masterpieces of World Lit. | Howard, H.P. | 3 | 16 |
| 307 | | Nance, W.B. | 3 | 22 |
| 315 | The Short Story | Ferguson, F.C. | 3 | 23 |
| 339 | 19th Century Eng. Lit. | Whitlow, R. | 3 | 12 |
| 401 | Shakespeare | Ferguson, F.C. | 3 | 11 |

Combined Faculty - 7 persons

| | Credits | Full or part time. |
|-----------------------------|---------|--------------------|
| <u>Hanchow</u> - Mrs. White | 3 | |
| Ling | 3 | |
| Day | 6 | |
| <u>Soochow</u> - Howard | 3 | (7) |
| Nance | 3 | - |
| Ferguson | 6 | (7) |
| Whitlow | 3 | (11) |

Department of Political Science

The upper division courses offered total 31 credits and are as follows:

Hanchow - 15 credits.

| No. | Year | Inst. | Credits | Students |
|-----|------|--------|---------|----------|
| 107 | 3 | Tung | 3 | |
| 201 | 3 | Tan | 3 | |
| 205 | 4 | Tung | 3 | |
| 222 | 3 | Lauten | 3 | |
| 225 | 4 | Tung | 3 | |

Soochow - 16 credits.

| | | | | |
|-----|--|------------|---|----|
| 303 | History of Chinese Political Thought | Chen, H.L. | 3 | 10 |
| 307 | Political and Diplomatic History of the West | Tuttle | 3 | 3 |
| 400 | Senior Thesis | Chen, Hugh | 2 | 10 |
| 401 | Administrative Law | Wang, T.T. | 3 | 7 |
| 429 | | Chen, Hugh | 3 | 20 |
| 440 | | Shen, T.M. | 2 | |

Combined Faculty - 7 persons

| | | <u>Credits</u> | | <u>Full or Part time.</u> |
|-----------------|----------------|----------------|-----|---------------------------|
| <u>Hangchow</u> | - Tung | 3 | | |
| | Tan | 3 | | |
| | Lautenschlager | 3 | | |
| <u>Soochow</u> | - M.L. Chen | 3 | - | |
| | Hugh Chen | 3 | (6) | |
| | Z.T. Wang | 3 | - | |
| | T.M. Shen | 2 | - | |

Duplicate Courses

| | | |
|-------|--|---|
| H 222 | Hist. of Western Political Thought | 3 |
| S 307 | Political & Diplomatic Hist. of the West | 3 |
| H 225 | Administration Law | |
| S 401 | " " | |
| ? | | |

COLLEGE OF COMMERCE

The courses offered in the upper division (Fall 1940) total 64 credits as follows:

Hangchow - 41 credits (College of Business)

| <u>No.</u> | | <u>Year</u> | <u>Inst.</u> | <u>Credits</u> | <u>Students</u> |
|------------|------------------------|-------------|--------------|----------------|-----------------|
| 115 | Corperation Finance | 2-3 | Feng | 3 | |
| 181 | Marketing | 3 | Chia | 3 | |
| 171A | Statistics (Elem.) | 2-3 | Chung | 3 | |
| 171B | " " | 2-3 | Chung | 3 | |
| 171A | Lab. | 2-3 | Chung | | |
| 171B | Lab. | 2-3 | Chung | | |
| 181 | Transportation | 3 | Chung | 3 | |
| 191 | Public Finance | 3 | Ying | 3 | |
| 201 | Advanced Accounting | 3-4 | Chia | 3 | |
| 203 | Cost Accounting | 3-4 | Wang | 3 | |
| 205 | Auditing | 3-4 | Wang | 2 | |
| 207 | Municipal Accounting | 3-4 | Wang | 3 | |
| 212 | Foreign Exchange | 3 | Hsu | 3 | |
| 221 | Property Insurance | 3 | Chung | 3 | |
| 343 | Hist. of Econ. Thought | 4 | Feng | 3 | |
| 410 | Econ. Problems | 4 | Lee | 3 | |

Soochow - 23 credits (Economics)

| | | | | |
|-----|---------------------|--------|---|----|
| 301 | Econ. Geography | Chen | 3 | 21 |
| 303 | Transportation | Cheng | 3 | 28 |
| 305 | Public Finance | Chiang | 3 | 31 |
| 311 | Advanced Economics | Chang | 3 | 19 |
| 325 | Business Law | Chiu | 3 | 9 |
| 341 | Advanced Accounting | An | 3 | 6 |
| 400 | Senior Thesis | Chiang | 2 | 4 |
| 353 | Banking System | Liu | 3 | 10 |

Duplicate Courses

| | |
|---------------------------|---|
| H 181 Transportation | 3 |
| S 303 | 3 |
| H 181 Public Finance | |
| S 305 " " | |
| H 201 Advanced Accounting | |
| S 341 " " | |

Combined Faculty - 14 persons

| | <u>Credits</u> | (L.D.Gr.) | Full or Part Time |
|----------------------------|----------------|-----------|-------------------|
| <u>Hangchow</u> - Fong | 6 | 6 | |
| Chia | 6 | - | |
| Chung | 12 | - | |
| Lee | 3 | 6 | |
| Wang | 8 | 7 | |
| Ying | 3 | - | |
| Hsu | 3 | - | |
| <u>Soochow</u> - Hung Chen | 3 | - | |
| Z.T. Chow | 3 | (3) | |
| C.H. Chiang | 5 | (12) | |
| Y.S. Chang | 3 | - | |
| Henry Chu | 3 | - | |
| S.Y. An | 3 | - | |
| T.L. Lin | 3 | - | |

College of Law

The department of Accounting could ~~be~~ probably be unified with the above, but details have not been worked out.

CHEMICAL ENGINEERING

The upper division courses in this department as offered in Fall 1940 total 74 credits as follows:

Hangchow - 23 credits

| <u>No.</u> | | <u>Year</u> | <u>Inst.</u> | <u>Credits</u> | <u>Students</u> |
|------------|---------------------------|-------------|--------------------|----------------|-----------------|
| 213 | Organic Chemistry lab. | 2-3 | Wang Chen | 5 | |
| 215 | Industrial Chemistry lab. | 3-4 | Fan Wang & Chen | 3 1 | |
| 231 | Physical Chemistry lab. | 3 | Wang | 4 | |
| 255 | Technical Analysis lab. | 3-4 | Chang | 4 | |
| 271 | Chemical Engineering | 3-4 | Fan | 3 | |
| 281 | Paper Manufacture | 3-4 | Fan | 3 | |

Soochow - 51 credits (Chemistry)

| No. | | Year | Inst. | Credits | Students |
|------|-------------------------------------|--------------------|------------------|---------|----------|
| 331 | Organic Chemistry Lab. | | Pan, Wang | 6 | 26 |
| 335 | Organic Chemistry Lab. | | Ku, Soong | 6 | 17 |
| 326 | Technical Analysis Lab. | | Miao | 5 | 14 |
| 363 | Industrial Chemistry | | Miao | 3 | 41 |
| 451A | Physical Chemistry Lab. | Sec. A1 Sec. A2 | Ku, Yen | 4.5 | 26 |
| 451B | Physical Chemistry Lab. | Sec. B1 Sec. B2 | Yen | 4.5 | 19 |
| 470 | Food Analysis | | Whang | 3 | 3 |
| 471 | Chemistry of Food & Nutrition | | Pan | 3 | 4 |
| 411 | Seminar | | Ku | 1 | 26 |
| 400 | Senior Thesis | | Ku, Sun, & Hwang | 2 | 14 |
| 434 | Organic Analysis Lab. | | Huang | 5 | 15 |
| 438 | Pharmaceutical Chemistry | | Huang | 3 | 19 |
| 457 | Selected Topics in Industrial Chem. | | Zee | 2 | 16 |
| 481 | Principles of Chemical Engineering | | Sun | 3 | 9 |

Duplicate Courses

Combined Faculty - 12 persons

| | Credits | L.D.Gr. | Full or Part Time |
|--------------------------|---------|---------|-------------------|
| Hangchow - Weng | 10 | (3) | |
| Chen (lab.) | | (3) | |
| Pan | 9 | - | |
| Chang | 4 | (?) | |
| <u>Soochow-</u> J.M. Pan | 9 | - | |
| Y.T. Ku | 11½ | | |
| C.Y. Miao | 8 | | |
| C.Y. Yen | 4½ | (4) | |
| P.P. Whang | 3 | (10) | |
| L.S. Hwang | 10 | | |
| Z.Z. Zee | 2 | | |
| L.W. Sun | 3 | (10) | |

Total Credits in Joint Program of Studies

The total credits given (Fall 1940) by both institutions in the field of the Joint Program of Studies is as follows: Hangchow providing 126 credits and Soochow 114 credits.

| | |
|----------------------------------|------------|
| College of Arts (H 62 S 40) | 102 |
| Chinese (H 32 S 9) | 41 |
| English (H 15 S 15) | 30 |
| Politics (H 15 S 16) | 31 |
| College of Commerce (H 41 S 23) | 64 |
| Chemical Engineering (H 23 S 51) | 74 |
| | <u>240</u> |

The total given in the upper division by both institutions in the College of Arts is 172 credits (H 80 S 92), so that 102 credits would be in the Joint Program of Studies and 70 credits in the separate departments of the two institutions.

The upper division credits in these separate departments are as follows:

| U.D. | Arts | | Credits offered Fall 1940 |
|----------------|-----------|-----------|---------------------------|
| | Hangchow | Soochow | |
| German | - | 4 | |
| History | - | 8 | |
| Sociology | - | 23 | |
| Home Economics | - | 3 | |
| Education | 12 | 8 | |
| Philosophy | 6 | 3 | |
| Religion | - | 3 | |
| | <u>18</u> | <u>54</u> | |

Total Faculty in Joint Program of Studies

The total faculty in the Joint Program of Studies, omitting College of Law is as follows, of which Hangchow provides 21 and Soochow 26.

| | | |
|--------------------------------|---|-----------|
| College of Arts (H 10 S 11) | | 21 |
| Chinese (H 4 S 3) | 7 | |
| English (H 3 S 4) | 7 | |
| Political Science (H 3 S 4) | 7 | |
| College of Commerce (H 7 S 7) | | 14 |
| Chemical Engineering (H 4 S 8) | | 12 |
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NOTE ON PART II - CURRICULUM AND FACULTY.

1. Duplicate Courses.

In listing courses only the fall semester for 1940 has been dealt with, which is sufficient to give a picture of the situation.

This gives only a limited number of duplicate courses. In working out the full number of duplicate courses the following additional considerations have to be taken into account:

- a. Certain courses are placed in the lower division in one institution and in the upper division in the other.
- b. Certain courses are given in the fall semester in one institution and the spring semester in the other.
- c. In a number of cases the courses more or less cover the same field. An agreement could be reached as to more exact correspondence.

2. Departments in College of Commerce.

Under the College of Commerce no division has been made into

departments. It may be that only one or two of the departments into which work is being divided by Hangchow should be included in the Joint Program of Studies.

The Department of Accounting in the College of Law has 32 juniors and 13 seniors in the upper division. It would seem desirable to incorporate this work in the Joint Program of Studies.

3. Chemical Engineering.

In the case of Chemistry and Chemical Engineering no attempt has been made to exclude courses in the upper division in Soochow which may not fall within the field of Chemical Engineering as such.

III. Joint Program of Studies - Student Body

The total student body (Fall 1940) totals 1,850 as follows:

| | | |
|----------|----------------|-------|
| Hangchow | | 783 |
| Soochow | | 1,067 |
| | Arts & Science | 705 |
| | Law | 362 |

The upper division in both institutions is small owing to war conditions. (College of Law is here omitted.)

| | |
|----------|-----|
| Hangchow | 206 |
| Soochow | 190 |

It is therefore better to figure on the upper division as of 1942-43 when the present freshmen and sophomores of 1940-41 will be juniors and seniors.

Soochow.

The experience of Soochow University is that about 60% of Freshmen advance to sophomore standing, 75% of sophomores to junior, and 80% of juniors to Senior. Applying these figures gives 125 juniors and 110 seniors, making a total of 235 in the upper division in 1942-43 not including the College of Law.

Applying these percentages to the departments included in the Joint Program of Studies gives the following number majoring in each for 1942-43.

Major - Soochow (1942-43 estimated)

| | <u>Junior.</u> | <u>Senior.</u> | <u>Total.</u> |
|------------------------------------|----------------|----------------|---------------|
| Chinese | 2 | 1 | 3 |
| English | 12 | 7 | 19 |
| Political Science | 7 | 7 | 14 |
| Economics | 24 | 36 | 40 |
| Chemistry and Chemical Engineering | 30 | 20 | 50 |
| | | | <u>146</u> |

These would be combined according to colleges as follows:

| | |
|----------------------|------------|
| College of Arts | 36 |
| Economics | 60 |
| Chemical Engineering | 50 |
| | <u>146</u> |

If the Department of Accounting in the College of Law is included with 22 juniors and 13 seniors, it brings the total in the field of economics to 105, and the total for Soochow to 191.

Hangchow.

Applying the same percentages to Hangchow, the total upper division student body works out as follows, which gives a total upper division student body in 1942-43 of 275, including 159 juniors and 116 seniors.

Applying these percentages to the departments including in the Joint Program of Studies gives the following ^{ed} number _{number} majoring in each department as of 1942-43.

Majors - Hangchow (1942-43 estimated)

| | <u>Junior.</u> | <u>Senior.</u> | <u>Total.</u> |
|------------------------|----------------|----------------|---------------|
| Chinese - | 5 | 3 | 8 |
| English - | 9 | 10 | 19 |
| Political Science - | 8 | 10 | 18 |
| Business - | 55 | 31 | 86 |
| Chemical Engineering - | 13 | 8 | 21 |
| | | | <u>152</u> |

These would be combined according to colleges as follows:

| | |
|----------------------|------------|
| College of Arts | 45 |
| College of Business | 86 |
| Chemical Engineering | 21 |
| | <u>152</u> |

Total Students in Joint Program of Studies.

The combined departments in the Joint Program of Studies for both institutions would be as follows:

| | | |
|-----------------------------|------------|-------------|
| College of Arts | 81 | (H 45 S 36) |
| Chinese | | (H 8 S 3) |
| English | | (H 19 S 19) |
| Politics | | (H 18 S 14) |
| College of Business | 146 | (H 86 S 60) |
| Chemical Engineering | 71 | (H 21 S 50) |
| | <u>298</u> | |
| College of Law - Accounting | 45 | |
| | <u>343</u> | |

Total in Upper Division.

The total for the upper division of both institutions in 1942-43 would be 648, counting the College of Law as at present.

| | |
|-----------------|------------|
| Hangchow | 275 |
| Soochow - A & S | 235 |
| Soochow - Law | 138 |
| | <u>648</u> |

This total would be distributed as follows:

| | |
|---------------------------|------------|
| Joint Program of Studies | 343 |
| Hangchow - Upper Division | 123 |
| Soochow - Upper Division | 89 |
| Law | 93 |
| | <u>648</u> |

IV Joint Program of Studies - finance

The cost of the curriculum in the Joint Program of Studies for fall semester 1940 is given below. The salary basis is six months per semester.

Department of Chinese

| <u>Hangchow</u> - 32 credits | | Cr. | | per credit per month | per course pr. semes. |
|---|------|-----|---|-------------------------|--------------------------|
| 113 Selected Poems | Hsia | 3 | • | \$23.89 | \$430.02 |
| 117 Chinese Phonetics | Shu | 3 | • | 15.95 | 287.10 |
| 122 Chinese Rhetoric & Com. | Shu | 2 | • | 15.95 | 191.40 |
| 125 Chinese Phymes | Hsia | 3 | • | 23.89 | 430.02 |
| 210 Four Books | Jen | 3 | • | 12.00 | 216.00 |
| 212 Book of Rites | Jen | 3 | • | 12.00 | 216.00 |
| 217 Chronicles by Tsu Ma Chien | Hsia | 3 | • | 23.89 | 430.02 |
| 219 Hist. of Chinese Phil. | Wang | 3 | • | ? | |
| 225 Studies in Cataloging Chinese Publications | Wang | 3 | | ? | |
| 230 History of Phonetics | Jen | 3 | | 12.00 | 216.00 |
| 242 General Treatise on Chinese Classics | Shu | 3 | | 15.95 | 287.10 |
| | | | | Semester Total Hangchow | <u>\$2,703.64</u> |

Soochow - 9 credits.

| | | | | | |
|-----------------------|------------|---|--|------------------------|-----------------|
| 305 Selected Poems | Wang, S.T. | 3 | | 16.00 | 288.00 |
| 312 Modern | Hu, S.Y. | 2 | | 16.00 | 192.00 |
| 317 Selected Classics | Kung, Y.B. | 2 | | 13.75 | 165.00 |
| 400 Senior Thesis | Kung, Y.H. | 2 | | 13.75 | 165.00 |
| | | | | Semester Total Soochow | <u>\$810.00</u> |
| | | | | Semester Grant Total | <u>3,513.64</u> |

DEPARTMENT OF ENGLISH

The upper division courses offered (Fall 1940) total 30 credits and are as follows:

| <u>Hangchow - 15 credits</u> | | <u>Year</u> | <u>Gr.</u> | | |
|------------------------------|---------------------|-------------|------------|----|--------------------|
| 205 | Modern Novel | 2-3-4 | Mrs. White | 30 | \$67.33 \$1,211.94 |
| 211 | Translation | 2-3-4 | Ling | 3 | ? |
| 213 | Hist. Eng. Lit. | 2-3-4 | Day | 3 | |
| 225 | Public Speaking | 2-3-4 | Day | 3 | |
| 317 | Eng. Lit. by Period | 2-3-4 | Day | 3 | |

Soochow - 15 credits

| | | <u>Semester Total</u> | | <u>* \$1,211.94</u> |
|-----|----------------------------|-------------------------------|---|---------------------|
| | | <u>Hangchow</u> | | |
| 305 | Masterpieces of World Lit. | Howard, H.P. | 3 | 36.00 648.00 |
| 307 | | Hance, W.B. | 3 | 42.54 765.72 |
| 313 | The Short Story | Ferguson, F.C. | 3 | 35.83 644.94 |
| 339 | 19th Century Eng. Lit. | Whitlow, R. | 3 | 20.11 361.98 |
| 401 | Shakespeare | Ferguson, F.C. | 3 | 35.83 644.94 |
| | | <u>Semester Total Soochow</u> | | <u>3,065.58</u> |

Grand Total \$4,277.

DEPARTMENT OF POLITICAL SCIENCE

The upper division courses offered total 31 credits and are as follows:

Hangchow - 15 credits

| | <u>Ys.</u> | <u>Gr.</u> | | |
|-----|------------------------------------|-----------------------|---------|---------------------|
| 107 | Chinese Government | 3 | Tung | 3 25.55 459.90 |
| 201 | Chinese Diplomatic History | 3 | Tan | 3 ? |
| 205 | International Law | 4 | Tung | 3 25.55 459.90 |
| 222 | Hist. of Western Political Thought | 3 | Leuten. | |
| 225 | Administration Law | 4 | Tung | 3 25.55 459.90 |
| | | <u>Semester Total</u> | | <u>* \$1,379.70</u> |

Soochow - 16 credits

| | | | | |
|-----|--|-----------------------|---|-------------------|
| 303 | History of Chinese Political Thought | Chen, H.L. | 3 | 12.22 183.30 |
| 307 | Political and Diplomatic History of the West | Tuttle | 3 | |
| 400 | Senior Thesis | Chen, Hugh | 2 | 18.66 223.92 |
| 401 | Administrative Law | Wang, Z.T. | 3 | 20.00 360.00 |
| 429 | | Chen, Hugh | 3 | |
| 440 | | Shen, T.M. | 2 | |
| | | <u>Semester Total</u> | | <u>* \$767.22</u> |
| | | <u>Grand Total</u> | | <u>\$2,147.</u> |

COLLEGE OF COMMERCE

The courses offered in the upper division (Fall 1940) total 64 credits as follows:

Fanschow - 41 credits (College of Business)

| | | | | | | |
|------|------------------------|-----|-------|---|---------|----------|
| 115 | Corporation Finance | 2-3 | Feng | 3 | | |
| 131 | Marketing | 3 | Chia | 3 | \$20.00 | \$360.00 |
| 171A | Statistics (Elem.) | 2-3 | Chung | 3 | 31.04 | 558.72 |
| 171B | " " | 2-3 | Chung | 3 | 31.04 | 558.72 |
| 171A | Lab. | 2-3 | Chung | 3 | | |
| 171B | Lab. | 2-3 | Chung | 3 | | |
| 181 | Transportation | 3 | Chung | 3 | 31.04 | 558.72 |
| 191 | Public Finance | 3 | Ying | 3 | 20.00 | 360.00 |
| 201 | Advanced Accounting | 3-4 | Chia | 3 | 20.00 | 360.00 |
| 203 | Cost Accounting | 3-4 | Wang | 3 | 22.00 | 396.00 |
| 205 | Auditing | 3-4 | Wang | 3 | 22.00 | 396.00 |
| 207 | Municipal Accounting | 3-4 | Wang | 3 | 22.00 | 396.00 |
| 212 | Foreign Exchange | 3 | Hsu | 3 | 20.00 | 360.00 |
| 221 | Property Insurance | 3 | Chung | 3 | 31.04 | 558.72 |
| 343 | Hist. of Econ. Thought | 4 | Feng | 3 | | |
| 410 | Econ. Problems | 4 | Lee | 3 | | |

Semester Total 4,730.88

Soochow - 23 credits (Economics)

| | | | | | | |
|-----|---------------------|--|--------|---|-------|----------|
| 301 | Econom. Geography | | Chen | 3 | 18.66 | 385.88 |
| 303 | Transportation | | Cheng | 3 | | |
| 305 | Public Finance | | Chiang | 3 | 55.98 | 1,007.64 |
| 311 | Advanced Economics | | Chang | 3 | 20.00 | 360.00 |
| 325 | Business Law | | Chiu | 3 | 14.00 | 252.00 |
| 341 | Advanced Accounting | | An | 3 | 20.00 | 360.00 |
| 353 | Banking System | | Liu | 3 | 16.00 | 288.00 |
| 400 | Senior Thesis | | Chiang | 3 | 55.98 | 1,007.64 |

Semester Total 3,661.16

Grand Total 8,392.04

CHEMICAL ENGINEERING

The upper division courses in this department as offered in Fall 1940 total 74 credits as follows:

Hangchow - 23 credits

| | Yr. | Gr. | | | |
|-------------------------------|-----|--------------|---|---------|-----------------|
| 213 Organic Chemistry Lab. | 2-3 | Wang Chen | 5 | \$20.73 | 621.90 |
| 215 Industrial Chemistry Lab. | 3-4 | Fan | 3 | 29.37 | 528.66 |
| | 3-4 | Wang & Chang | 1 | 20.73 | 124.38 |
| 231 Physical Chemistry Lab. | 3 | Wang | 4 | 20.73 | 497.52 |
| 255 Technical Analysis Lab. | 3-4 | Chang | 4 | | |
| 271 Chemical Engineering | 3-4 | Fan | 3 | 29.37 | 528.66 |
| 281 Paper Manufacture | 3-4 | Fan | 3 | 29.37 | 528.66 |
| | | | | | <u>2,829.78</u> |

Soochow - 51 credits (Chemistry)

| | | | | | |
|---|------|------------------|-----|-------|------------------|
| 331 Organic Chemistry Lab. | | Pan, Whang | 6 | 26.25 | 945.00 |
| 335 Organic Chemistry Lab. | | Ku, Soong | 6 | 28.75 | 1,035.00 |
| 326 Technical Analysis Lab. | | Miao | 5 | 15.51 | 465.30 |
| 363 Industrial Chemistry | | Miao | 3 | 15.51 | 279.18 |
| 451A Physical Chemistry | | Ku, Yen | 4.5 | 28.75 | 690.00 |
| | | | | 10.99 | 329.70 |
| | Lab. | Sec. A1 | | | |
| | | Sec. A2 | | | |
| 451B Physical Chemistry | | Yen | 4.5 | 28.75 | 690.00 |
| | | | | 28.75 | 862.50 |
| | Lab. | Sec. B1 | | | |
| | | Sec. B2 | | | |
| 470 Food Analysis | | Whang | 3 | 8.75 | 157.50 |
| 471 Chemistry of Food & Nutrition | | Fan | 3 | 17.50 | 315.00 |
| 411 Seminar | | Ku | 1 | 28.75 | 172.50 |
| 400 Senior Thesis | | Ku, Sun, & Hwang | 2 | | |
| 434 Organic Analysis Lab. | | Huang | 5 | 15.51 | 465.30 |
| 438 Pharmaceutical Chemistry | | Huang | 3 | 15.51 | 279.18 |
| 467 Selected Topics in Industrial Chemistry | | Zee | 2 | 25.00 | 300.00 |
| 481 Principles of Chemical Engineering | | Sun | 3 | 20.83 | 374.94 |
| | | | | | <u>7,361.10</u> |
| | | | | | <u>10,190.88</u> |
| | | Grand Total | | | <u>10,190.88</u> |

BUDGET - JOINT PROGRAM OF STUDIES

Per Year

| | <u>Hangchow</u> | <u>Soochow</u> | <u>Total</u> |
|-------------------|-----------------|----------------|---------------|
| College of Arts | | | |
| Chinese | * 5,406 | 1,620 | 7,026 |
| English | * 2,422 | 6,130 | 8,452 |
| Political Science | * 2,760 | * 1,534 | 4,294 |
| Commerce | * 9,460 | * 7,322 | 16,782 |
| Chemistry | 5,660 | 1,4722 | 20,362 |
| | | | <u>56,936</u> |

Incomplete figures are indicated by *. The total budget is near \$60,000 per year for salaries only.

COST PER STUDENT

In administering the Joint Program of Studies it is necessary to know the cost per student of each course, so that each institution may be billed for its share on the basis of the number of its students taking each course.

This is worked out for Soochow only, and on basis only of salaries, omitting departmental expenses for which data is not readily available, but which should ordinarily be included.

The cost per credit is given, rather than the cost per student clock hour, which is the American practice due to the inclusion of summer schools.

Cost per Student per Credit

Department of Chinese

| <u>Hangchow - 32 credits</u> | <u>Stds.</u> | <u>Salary per cr.</u> | <u>Dept. Exp. per cr.</u> | <u>Total</u> | <u>Cost per St per cr.</u> |
|---|--------------|-----------------------|---------------------------|--------------|----------------------------|
| 113 Selected Poems | 12 | \$143.33 | | | \$11.94 |
| 117 Chinese Phonetics | 8 | 165 | | | 20.63 |
| 122 Chinese Rhetoric & Com. | 5 | 165 | | | 33.00 |
| 125 Chinese Rhymes | 5 | 143.33 | | | 28.67 |
| 210 Four Books | 5 | 90 | | | 18.00 |
| 212 Books of Rites | | | | | |
| 217 Chronicles by Tsu Ma Chien | 6 | 143.33 | | | 23.89 |
| 219 Hist. of Chinese Phil. | 7 | 158.33 | | | 22.62 |
| 225 Studies in the Cataloging of Chinese Publications | | | | | |
| 230 History of Phonetics | 4 | 90. | | | 22.50 |
| 242 A General Treatise on Chinese Classics | 5 | 165. | | | 33.00 |

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Soochow - 9 credits

| | <u>Stds.</u> | <u>Salary per cr.</u> | <u>Dept. Exp. per cr.</u> | <u>Total Cost per Std. per cr.</u> |
|-----------------------|--------------|---------------------------|-------------------------------|--|
| | | | | 19.20 |
| 305 Selected Poems | 5 | \$96 | | 16.00 |
| 312 Modern Ch. Lit. | 6 | 96 | | 9.18 |
| 317 Selected Classics | 9 | 82½ | | 41.25 |
| 400 Thesis | 2 | 82½ | | |

Department of English

Hangchow - 15 credits

| | | | | |
|------------------------------------|---------------|--------|--|------|
| 205 Modern Novel | 20 | | | 5.76 |
| 211 Translation | 27 | 155.40 | | |
| 213 Hist. Eng. Lit. | 31 | | | |
| 225 Public Speaking | 38 | | | |
| 217 Eng. Lit. by Period | 18 | | | |
| 223 Modern Poetry | | | | |

Soochow - 15 credits

| | | | | |
|--------------------------------|----|--------|--|-------|
| 305 Masterpieces of World Lit. | | | | 13.50 |
| | 16 | 216.00 | | 16.60 |
| | 22 | 255.24 | | 9.35 |
| 307 | 23 | 214.98 | | |
| 315 The Short Story | | | | 10.06 |
| 339 19th Century Eng. Lit. | 12 | 120.66 | | 19.54 |
| 401 Shakespeare | 11 | 214.98 | | |

Department of Political Science

Hangchow - 15 credits

| | | | | |
|--|----|--------|--|-------|
| 107 Chinese Government | 23 | 153.33 | | 6.67 |
| 201 Chinese Diplomatic Hist. | 27 | 137.00 | | 5.74 |
| 205 International Law | 17 | 153.33 | | 9.02 |
| 222 Hist. of Western Political Thought | 12 | | | |
| 225 Administration Law | 13 | 153.33 | | 11.79 |

Soochow - 16 credits

| | | | | |
|--|----|--------|--|-------|
| 303 History of Ch. Polit. Thought | 10 | 61.00 | | 6.11 |
| 307 Political & Diplomatic History of the West | | | | |
| 400 Senior Thesis | 3 | 111.96 | | 37.32 |
| 401 Administrative Law | 10 | 120.00 | | 12.00 |
| 429 | 7 | | | |
| 440 | 20 | | | |

College of Commerce

| | <u>Stds.</u> | <u>Salary</u> <u>per cr.</u> | <u>Dept. Exp.</u> <u>per cr.</u> | <u>Total</u> | <u>Cost per</u> <u>Std. per cr.</u> |
|--|--------------|---------------------------------|-------------------------------------|--------------|--|
| <u>Hangchow - 41 credits (College of Business)</u> | | | | | |
| 115 Corporation Finance | 24 | 111.67 | | | |
| 131 Marketing | 21 | 100.00 | | | 4.65 |
| 171A Statistics (Elem.) | 39 | 186.25 | | | 4.76 |
| 171B " " | 28 | 186.25 | | | 4.78 |
| 171A Lab. | | | | | 6.65 |
| 171B Lab. | | | | | |
| 181 Transportation | 26 | 186.25 | | | |
| 191 Public Finance | 42 | 100.00 | | | 71.16 |
| 201 Advanced Accounting | 11 | 100.00 | | | 2.40 |
| 203 Cost Accounting | 6 | 176.25 | | | 9.09 |
| 205 Auditing | 5 | 176.25 | | | 29.38 |
| 207 Municipal Accounting | 7 | 176.25 | | | 25.18 |
| 212 Foreign Exchange | 40 | 100.00 | | | 25.25 |
| 221 Property Insurance | 15 | 186.25 | | | 2.50 |
| 343 Hist. of Econ. Thought | 18 | 111.67 | | | 12.42 |
| 410 Econ. Problems | | | | | 6.20 |

Soochow - 23 credits (Economics)

| | | | | | |
|-------------------------|----|--------|--|--|-------|
| 301 Econo. Geography | 21 | 128.63 | | | |
| 303 Transportation | 28 | | | | 6.13 |
| 305 Finance (Public) | 31 | 335.88 | | | |
| 311 Advanced Economics | 19 | 120.00 | | | 10.83 |
| 325 Business Law | 9 | 84.00 | | | 6.32 |
| 341 Advanced Accounting | 6 | 120.00 | | | 9.33 |
| 353 Banking System | 10 | 96.00 | | | 20.00 |
| 400 Senior Thesis | 4 | 335.88 | | | 9.60 |
| | | | | | 83.97 |

Chemical Engineering

Hangchow - 23 credits.

| | | | | | |
|--------------------------|----|--------|--|--|-------|
| 213 Organic Chemistry | 26 | 124.00 | | | |
| lab. | | | | | 4.77 |
| 215 Industrial Chemistry | 9 | 158.60 | | | |
| lab. | | | | | 17.62 |
| 231 Physical Chemistry | 18 | 124.40 | | | |
| lab. | | | | | 6.91 |
| 255 Technical Analysis | 7 | 100.00 | | | |
| lab. | | | | | 14.29 |
| 271 Chemical Engineering | 10 | 158.60 | | | |
| 281 Paper Manufacture | 13 | 158.60 | | | 15.86 |
| | | | | | 12.20 |

Chemical Engineering (con'td)

| | <u>Stds.</u> | <u>Salary</u> <u>per cr.</u> | <u>Dept. Exp.</u> <u>per cr.</u> | <u>Total</u> | <u>Cost per</u> <u>Std. per cr.</u> |
|---|--------------|---------------------------------|-------------------------------------|--------------|--|
| <u>Boochow - 51 credits (Chemistry)</u> | | | | | |
| 331 Organic Chemistry | 36 | \$157.50 | | | \$4.38 |
| Lab. | | | | | |
| 335 Organic Chemistry | 17 | 172.50 | | | 10.15 |
| Lab. | | | | | |
| 326 Technical Analysis | 14 | 93.06 | | | 6.65 |
| Lab. | | | | | |
| 363 Industrial Chemistry | 41 | 93.06 | | | 2.27 |
| 451a Physical Chemistry | 26 | 172.50 | | | 9.17 |
| Lab. | | 65.94 | | | |
| | | Sec.A1 | | | |
| | | Sec.A2 | | | |
| 451b Physical Chemistry | 19 | 172.50 | | | 18.16 |
| Lab. | | 172.50 | | | |
| | | Sec.B1 | | | |
| | | Sec.B2 | | | |
| 470 Food Analysis | 3 | 52.50 | | | 17.50 |
| 471 Chemistry of Food | | | | | |
| & Nutri. | 4 | 105.00 | | | 26.25 |
| | | | | | |
| 411 Seminar | 26 | 172.50 | | | 6.63 |
| 400 Senior Thesis | 14 | | | | |
| 434 Organic Analysis | 15 | 93.06 | | | 6.20 |
| Lab. | | | | | |
| 438 Pharmaceutical Chemistry | 19 | 93.06 | | | 4.90 |
| 467 Selected Topics in Industrial | | | | | |
| Chemistry | 16 | 100.00 | | | 5.56 |
| 481 Principles of Chemical | | | | | |
| Engineering | 9 | 124.98 | | | 13.89 |

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9

V. NEW PLANT

The Problem of cooperation between Hangchow College and Soochow University tends to form a vicious circle in that the permanence of any cooperation must depend on the securing of a plant in Shanghai, which will involve a large expenditure. On the one hand, it seems useless to Hangchow to begin cooperation which may involve considerable readjustments and turn out to be merely temporary. On the other hand, it seems to Soochow that the effort to secure funds for a plant may result in considerable delay and may even fail of accomplishment and that the opportunity for cooperation should be seized upon as a first step in the hope that that may open the way to something further.

This proposal covers both alternatives with the suggestion that, following the old proverb that "where there is a will there is a way", advantage be taken of the present location in the same building and that thorough-going cooperation be initiated at once and at the same time plans be made, looking toward the securing of a plant.

This proposal accordingly contains two parts, first academic cooperation as outlined in parts I to IV and second securing of plant.

No Joint Plant

The proposal is that each institution should purchase its own land and erect its own buildings. The plots of land should adjoin each other. The same might be true of the buildings, which might even present the aspect of a single building architecturally but have definite boundaries and be separately owned.

Financial Details

If a plot of land such as that on Weihaiwei Road could be secured the cost would be approximately Chinese national currency \$1,500,000 for the land with such buildings as are now on it. This piece contains three acres.

It is proposed that Soochow University purchase one acre at a cost of C.N.C. \$500,000, using funds from the sale of the Quinsan Road property and appealing to its own alumni and home constituency for any necessary balance; that Hangchow College purchase one acre, using funds in hand as may be practical up to \$150,000 or more, and securing the balance from Alumni and friends or the College's home constituency or making any such financial arrangements as may be possible; and that the Associated Boards in New York be asked to provide C.N.C. \$500,000 to purchase the third acre, which might be held by a trustee for the Associated Boards, being used temporarily by Hangchow and Soochow for recreational purposes and being held for a possible third cooperating institution.

Buildings

Arrangements would be made to use existing buildings supplemented by temporary buildings. These buildings should be for the upper division only, each institution making its own provision for its own lower division at its own cost.

The annual appropriations now made by the Associated Boards to Hangchow College, Soochow University and the Associated Christian Colleges should be devoted exclusively to the provision of buildings at the new site, thus making the rent and other grants apply toward the cost of the new plant. If this should not be sufficient, the Associated Boards might be asked to make a further grant either to each institution separately or for a building to be held by a trustee for the use of the two institutions jointly.

Plan of Procedure

The foremost question in the minds of the Associated Boards and of the constituencies of the two institutions on receiving such a request will be whether the two institutions mean business. The best answer to this question will be by the following course of procedure:

- 1) Putting into effect in the spring semester 1941 a thorough-going program of cooperation such as outlined above.
- 2) Devotion of all available funds to the purchase of property, each institution and its constituency doing everything in its power.

Official and actual steps as above would provide the basis for a request to the Associated Boards that the Associated Boards include within its emergency askings for the year 1941-42 an amount sufficient to purchase the third acre of land and to give such help in providing temporary buildings as may be necessary.

Appendix

Separation of Upper and Lower Divisions

Concerning the immediate separation of upper and lower division, this question does not primarily depend upon whether Hangchow Christian College and Soochow University actually cooperate or not but rather upon whether each one of them aims to stay in Shanghai, and if so whether it will keep the entire four years together or make use of its old campus in Hangchow or Soochow as soon as possible to house the lower division.

It seems fairly clear that the considerable amount of part time teaching, which has been developed in connection with certain courses, make it desirable for a considerable amount of work to be kept permanently in Shanghai.

It seems equally clear that neither institution is likely to be in a position to put up a plant in Shanghai to house its entire student body.

If therefore seems likely that whether the two cooperate or do not cooperate with each other, each will have to face the separation of the upper and lower divisions.

It would greatly simplify and clarify the whole intricate problem of cooperation if that separation could be carried out before the fall of 1941. This would make it possible to concentrate attention upon the upper division where cooperation must take place and would make it much easier to deal with the questions involved.

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The following analysis of the teaching in each institution is therefore presented.

Hanschow Christian College

Total Credits

The total number of credits given in the fall semester of 1940 in the Colleges of Arts, Commerce and Engineering is 509.5. This is divided as follows:

| | | |
|----------------|---------------|--------|
| Lower Division | 275 credits | 53.98% |
| Upper Division | 234.5 credits | 46.02% |

Relation of Credits to Number of Students

Dividing the amount of teaching done as measured in number of credits by the number of students gives the amount of teaching each week per student. This is as follows:

| | | |
|----------------|--------------|-------------------------|
| Lower Division | 545 students | .50 credits per student |
| Upper Division | 238 students | .98 credits per student |

ANALYSIS BY DEPARTMENTS

The table below indicates the number of credits of teaching in each department as divided between the upper division and lower division.

| | <u>L.D.</u> | <u>U.P.</u> |
|------------------------|-------------|--------------|
| Chinese | 45 credits | 32 credits |
| English | 62 | 15 |
| Political Science | 12 | 15 |
| Education | 3 | 15 |
| History | 6 | -- |
| Philosophy | 2.4 | 6 |
| German | -- | 3 |
| Business | 31 | 28 |
| Engineering (Chemical) | 12 | 25 |
| (Civil) | 23 | 56 |
| (Architecture) | 11 | 25 |
| Biology | 13 | 4 |
| Mathematics | 22 | -- |
| Physics | 16 | -- |
| Music | -- | 1.5 |
| Hygiene | 3 | -- |
| Physical Education | 7 | 1 |
| | <u>275</u> | <u>234.5</u> |

The lower division or junior college contains the fundamental courses which are requisite for the work of the upper division and which aim at completing the general education of the student. There are eight departments in which bulk of the work is in the lower division. These are as follows:

| | <u>L.D.</u> | <u>U.D.</u> |
|--------------------|-------------|-------------|
| Chinese | 45 credits | 32 credits |
| English | 62 | 15 |
| History | 6 | -- |
| Biology | 13 | -- |
| Mathematics | 22 | -- |
| Physics | 16 | -- |
| Hygiene | 3 | -- |
| Physical Education | 7 | 1 |

Four departments have their work more or less evenly distributed between the two divisions as follows:

| | <u>L.D.</u> | <u>U.D.</u> |
|-------------------|-------------|-------------|
| Political Science | 12 credits | 15 credits |
| Education | 9 | 15 |
| Philosophy | 8 | 6 |
| Business | 21 | 38 |

Five departments have the bulk of their work in the upper division as follows:

| | <u>L.D.</u> | <u>U.D.</u> |
|----------------------|-------------|-------------|
| German | -- | 3 credits |
| Chemical Engineering | 13 | 23 |
| Civil Engineering | 23 | 56 |
| Architecture | 11 | 25 |
| Music | -- | 1.5 |

Analysis of Faculty

The following table lists 21 members of the faculty in arts, commerce and engineering who teach in both divisions, giving the number of credits taught in each division:

| | <u>U.D.</u> | <u>L.D.</u> |
|----------------------|----------------|-------------|
| Chinese | Jen | 9 credits |
| | Shu | 6 |
| | Wang | 6 |
| | Hsieh | 3 |
| English | Ling | 4 |
| | Dr. Day | 2 |
| | Mrs. White | 4 |
| Political Science | Lautenschlager | 6 |
| | | 3 |
| Education | Tung | 3 |
| | Ling | 3 |
| Business | Wang | 8 |
| | Feng | 6 |
| | | 6 |
| Chemical Engineering | Wang | 7 |
| Civil Engineering | Wang | 6 |
| | Lu | 7 |
| | Chen | 4 |

| | | | |
|--------------------|------|----|----|
| Architecture | Yen | 3 | 1 |
| | Chen | 8 | 6 |
| | Wang | 12 | 2 |
| Biology | Chen | 4 | 13 |
| Physical Education | Shu | 1 | 6 |

Three of this list have the bulk of their work in the lower division teaching one course in the upper division. These are as follows:

| | | | |
|--------------------|----------------|---|----|
| Political Science | Lautenschlager | 3 | 6 |
| Biology | Chen | 4 | 13 |
| Physical Education | Shu | 1 | 6 |

Hangchow Christian College

Upper division analysed to indicate total credits and number of credits taught by faculty who also teach in the lower division.

| <u>Department</u> | <u>Total U.D. Credits</u> | <u>Credits taught by faculty who also teach in L.D.</u> |
|----------------------|---------------------------|---|
| Chinese | 32 | 32 |
| English | 15 | 15 |
| Political Science | 15 | 12 |
| Education | 15 | 6 |
| Business | 38 | 14 |
| Chemical Engineering | 22 | 10 |
| Civil Engineering | 56 | 32 |
| Architecture | 25 | 23 |
| Biology | 4 | 4 |
| Physical Education | 1 | 1 |

Upper Division Faculty

The following is a list of the faculty who teach courses in the upper division. The figures following the name give the total number of credits taught in the Upper Division. The second figures in parenthesis indicates the number of credits taught in the lower division by those who teach in the lower as well as in the upper division.

| <u>Department</u> | <u>Salary</u> | <u>Part Time</u> |
|-------------------|---------------|------------------|
| Chinese | Hsieh | 9 (3) |
| | C. S. Shu | 3 (6) |
| | M. S. Jen | 9 (6) |
| | C. C. Wang | 6 (6) |
| English | Mrs. White | 3 (4) |
| | H. D. Ling | 3 (4) |
| | Dr. Day | 9 (2) |
| Political Science | Tung | 9 (3) |
| | Lautensch. | 3 (6) |
| Education | Tan | 3 (3) |
| | Ling | 6 (3) |
| | Kao | 3 |
| | Chen | 3 |

| | | | |
|-----------------|----------|----|------|
| Philosophy | Dr. Day | 3 | |
| | McMullen | 3 | |
| Business | Feng | 6 | (6) |
| | Chia | 6 | |
| | Chung | 12 | |
| | Ying | 3 | |
| | Wang | 8 | (8) |
| | Hsu | 3 | |
| Chemical Engin. | Wang | 10 | (7) |
| | Pan | 9 | |
| Civil Engin. | Shu | 14 | |
| | Chen | 20 | (4) |
| | Ku | 6 | (7) |
| | Liao | 10 | |
| Architecture | Wang | 6 | (6) |
| | Yen | 3 | (1) |
| | Chen | 8 | (6) |
| | Wang | 12 | (2) |
| | Hsu | 2 | |
| Biology | Chen | 4 | (13) |
| Physical Educ. | Shu | 1 | (6) |

Soochow University

Total Credits

The total number of credits given in the fall semester of 1940 in the Colleges of Arts and Sciences is 511. This is divided as follows:

| | | |
|----------------|-------------|-------|
| Lower Division | 298 credits | 58.3% |
| Upper Division | 213 credits | 41.7% |

Relation of Credits to Number of Students

Dividing the amount of teaching done as measured in number of credits by the number of students gives the amount of teaching each week per student. This is as follows:

| | | |
|----------------|--------------|--------------------------|
| Lower Division | 515 students | .58 credits per student |
| Upper Division | 190 students | 1.12 credits per student |

ANALYSIS BY DEPARTMENT

The table below indicates the number of credits of teaching in each department as divided between the upper division and lower division.

| | <u>L. D.</u> | <u>U. D.</u> |
|---------|--------------|--------------|
| Chinese | 22 | 9 |
| English | 60 | 15 |
| German | - | 4 |

| | | |
|--------------------|------------|------------|
| History | 30 | 11 |
| Political Science | 12 | 13 |
| Economics | 30 | 23 |
| Sociology | 9 | 23 |
| Home Economics | - | 3 |
| Education | 6 | 8 |
| Philosophy | 8 | 3 |
| Religion | 8 | 3 |
| Physics | 31 | 15 |
| Mathematics | 21 | 3 |
| Chemistry | 34 | 51 |
| Biology | 8 | 9 |
| Botany | - | 9 |
| Zoology | 6 | 11 |
| Physical Education | 7 | - |
| Hygiene | - | - |
| | <u>298</u> | <u>213</u> |

The lower division or junior college contains the fundamental courses which are requisite for the work of the upper division and which aim at completing the general education of the student. There are seven departments in which the bulk of the work is in the lower division. These are as follows:

| | <u>L.D.</u> | <u>U.D.</u> |
|--------------------|-------------|-------------|
| Chinese | 22 | 9 |
| English | 60 | 15 |
| History | 30 | 11 |
| Philosophy | 8 | 3 |
| Physics | 31 | 15 |
| Mathematics | 21 | 3 |
| Physical Education | 7 | - |

Four departments have their work more or less evenly distributed between the two divisions as follows:

| | <u>L.D.</u> | <u>U.D.</u> |
|-------------------|-------------|-------------|
| Political Science | 12 | 13 |
| Economics | 30 | 23 |
| Education | 6 | 8 |
| Religion | 4 | 3 |

Three major departments and two minor ones have the bulk of their work in the upper division as follows:

| | <u>L.D.</u> | <u>U.D.</u> |
|------------------------------------|-------------|-------------|
| Sociology | 9 | 23 |
| Chemistry | 34 | 51 |
| Biology including Botany & Zoology | 14 | 29 |
| German | 0 | 4 |
| Home Economics | 0 | 3 |

ANALYSIS OF FACULTY

The following table lists 18 members of the faculty in arts and science who teach in both divisions, giving the number of credits taught in each division:

| | | <u>U.D.</u> | <u>L.D.</u> |
|-------------------|-------------|-----------------|-------------|
| Chinese | Y.H. Kung | 4 | 9 |
| English | Howard | 3 | 7 |
| | Ferguson | 6 | 7 |
| | Whitlow | 3 | 11 |
| History | Tuttle | 9 | 3 |
| | Chuang | 2 | 6 |
| Political Science | Hugh Chen | 2 | 6 |
| Economics | Z.T. Chow | 3 | 3 |
| | C.H. Chiang | 5 | 12 |
| Sociology | Zien | 4 | 9 |
| | Hugh Chen | 3 | - |
| Education | S.C. Wong | 3 | 5 |
| Religion | H.C. Chen | 1 | 4 |
| Physics | C.H. Li | 5 | 8 |
| | T.M. Yu | 3 | 9 |
| Chemistry | C.H. Yen | 4 $\frac{1}{2}$ | 4 |
| | P.T. Whang | 3 | 10 |
| | L.H. Sun | 5 | 10 |
| Biology | Y.C. Hsu | 3 | 5 |
| Zoology | Y.C. Hsu | 4 | |

Eight of these 18 have the bulk of their work in the lower division, teaching one course not exceeding three credits in the upper division. These are as follows:

| | | <u>U.D.</u> | <u>L.D.</u> |
|-----------|------------|-----------------|-------------|
| English | Howard | 3 | 7 |
| | Whitlow | 3 | 11 |
| History | Chuang | 2 | 6 |
| Education | S.C. Wong | 3 | 5 |
| Religion | H.C. Chen | 1 | 4 |
| Physics | T.M. Yu | 3 | 9 |
| Chemistry | C.H. Yen | 4 $\frac{1}{2}$ | 4 |
| | P.T. Whang | 3 | 10 |

Upper division analysed to indicate total credits and number of credits taught by faculty who also teach in the lower division.

| <u>Department</u> | <u>Total U.D. Credits</u> | <u>Credits taught by faculty who also teach in L.D.</u> |
|-------------------|---------------------------|---|
| Chinese | 9 | 4 |
| English | 15 | 9 |
| History | 11 | 11 |
| Political Science | 13 | 2 |
| Economics | 23 | 6 |
| Sociology | 23 | 7 |
| Education | 8 | 5 |
| Religion | 3 | 1 |

| | | |
|----------------------------|----|----|
| Physics | 6 | 15 |
| Chemistry | 51 | 7½ |
| Biology (Botany & Ecology) | 35 | 5 |

Upper Division Faculty

The following is a list of the faculty who teach courses in the upper division. The figures following the name give the total number of credits taught in U.D. The second figure in parenthesis indicates the number of credits taught in the lower division by those who teach in the lower as well as in the upper division.

| | | | <u>Salary</u> | <u>Part Time</u> |
|--------------------------|-------------|------|---------------|------------------|
| Chinese | C.T. Song | 3 | | |
| | S.Y. Hu | 2 | | |
| | Y.K. Lung | 4 | (10) | |
| English | Howard | 3 | (7) | |
| | Nance | 3 | | |
| | Ferguson | 6 | (7) | |
| | Whitlow | 3 | (11) | |
| | Hamburger | 4 | | |
| German | Tuttle | 11 | (3) | |
| | History | 2 | (3) | |
| Political Science | Chung | 3 | | |
| | H.L. Chen | 3 | | |
| Economics | Hugh Chen | 3 | (6) | |
| | Z.T. Song | 3 | | |
| | T.M. Shen | 3 | | |
| | Hugh Chen | 3 | | |
| | Z.P. Chow | 3 | (3) | |
| | C.H. Chiang | 5 | (12) | |
| | Y.S. Chang | 3 | | |
| | Henry Chin | 3 | | |
| | S.Y. An | 3 | | |
| | T.L. Liu | 3 | | |
| Sociology | C.T. Chiang | 4 | (6) | |
| | Hugh Chen | 3 | | |
| | K.F. Wu | 10 | | |
| | T.D. Tien | 4 | (9) | |
| | C.T. Yui | 6 | | |
| Home Economics Education | C.I. Chen | 3 | | |
| | B.C. Wang | 5 | (3) | |
| Philosophy | Y.P. Sun | 3 | | |
| | W.B. Nance | 3 | | |
| Religion | S.S. Zian | 2 | | |
| | H.C. Chen | 1 | (4) | |
| Physics | C.H. Li | 5 | (3) | |
| | P.M. Yu | 3 | (9) | |
| | I.D. Ho | 7 | | |
| Mathematics | C.B. Chew | 3 | | |
| | J.M. Pan | 9 | | |
| Chemistry | Y.T. Lu | 11.5 | | |
| | C.Y. Miao | 8 | | |

| | | | |
|---------|------------|-----|------|
| | C.Y. Yen | 4.5 | (4) |
| | P.T. Whang | 3 | (10) |
| | L.S. Hwang | 8 | |
| | Z.Z. Zee | 2 | |
| | L.H. Sun | 2 | (10) |
| Biology | L.C. Chang | 6 | |
| | Y.C. Hsu | 1 | (5) |
| Botany | C.C. Wang | 9 | |
| Zoology | Y.C. Hsu | 4 | |
| | T.P. Chang | 7 | (6) |

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- (25)
1. Hangchow and Soochow agree to try out next term the scheme of thorough-going co-operation of the Senior College work as outlined in the "memo."
 2. That this experiment be first limited to the departments of Chinese, English, and Political Science of the Arts College, with a view to extending it to other departments when the system is more definitely and satisfactorily worked out by experience.
 3. That this joint co-operation program be in charge of a special committee consisting of the President or Acting President and one other representative from each of these two institutions and an honorary Executive Secretary, who shall serve as adviser and director of the joint departments, herein agreed upon. This man should have no special connection with either of the two institutions.
 4. That in carrying out this plan of closer co-operation the following steps be immediately taken:
 - (a) The working of a list of joint courses for junior and senior students majoring in the three departments above-mentioned which will be offered for the spring term.
 - (b) That all teachers offering courses in this joint program be listed as faculty members of both institutions without any special notation.
 - (c) That the total cost of instruction for this joint program be pro-rated in proportion to the respective number of students taking such courses.
 - (d) That any additional teacher for this joint program be invited jointly by the two institutions concerned and be paid out of a joint fund.

Dec. 10, 1940.

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