A REPORT OF THE ACTIVITIES

of the

DEPARTMENT OF PHYSICS

to the Dean of the

COLLEGE OF ENGINEERING

for the year

1955-1956
# TABLE OF CONTENTS

I. INTRODUCTION ........................................... 1

II. TEACHING ACTIVITIES ...........................................

   Enrollments and Degrees .................................. 2

   Table I. Enrollments in Courses and Degrees in Physics ....... 3

   Fig. 1. I Semester Registrations in Physics Courses .......... 4

   Fig. 2. Degrees Conferred in Physics Department ............. 5

   Staff ..................................................... 6

   Changes in Courses and Curricula .......................... 6

   Fig. 3. Teaching and Research Staff ........................ 7

III. RESEARCH .................................................... 8

   Theses and Publications ................................... 9

   Table II. Ph.D. Theses Completed in 1955-6 .................. 10

   Fig. 4. Physics Department Publications in Scientific Journals ... 11

   New or Expanded Research Projects

   Table III. Government Contracts in the Physics Department .... 13

   Table IV. Research Support and Distribution of Staff ....... 14

APPENDIX. RECORD OF GENERAL ACTIVITIES
Supplementary Material Attached to Our Copy:

First Semester Registrations in Physics Courses 1947-8 to Date
Second Semester Registrations in Physics Courses 1947-8 to Date
Summary of Registrations in Physics Courses During Summer Sessions 1948 to Date
Teaching Assignments and Course Enrollments in Elementary Courses I Semester 1955-1956
Teaching Assignments and Course Enrollments in Advanced Courses I Semester 1955-1956
Teaching Assignments and Course Enrollments in Elementary Courses II Semester 1955-1956
Teaching Assignments and Course Enrollments in Advanced Courses II Semester 1955-1956
Degrees Conferred
Physics Department Committees 1955-1956
Physics Colloquium Speakers and Topics
Nuclear Seminar Speakers and Topics
Solid State Seminar Speakers and Topics
Physics Department Staff Directories
I. INTRODUCTION

This report summarizes briefly the teaching and research activities of the Physics Department during 1955-1956.

Section II has to do with teaching. It contains data on enrollments and degrees conferred, on the size and changes in teaching staff and brief accounts of important changes in the department offerings.

Section III summarizes the research activities with data on financial support and distribution of staff interest in the various areas. Fields of study which are new or sharply expanded in the department during the past year are briefly discussed.

The general growth of the department in the past eight years can most quickly be seen in the graphs in Figures 1-4, distributed through Sections II and III, which show, respectively, registration in courses, degrees conferred, numbers on teaching and research staff and on fellowships, and research publications.

Records of activities of all members of the staff comprise the part of the report following Section III.

The greatest single need of the department continues to be space and a real crisis is almost upon us. It is encouraging that the Engineering College Committee on Buildings
has recognized a new Physics Laboratory as the most acute building need of the College and given it top priority in a proposed six-year building program.

II. TEACHING ACTIVITIES

Enrollments and Degrees

Summarizing data on enrollments in courses, numbers of physics majors, and degrees granted are given in Table I and plotted in Figures 1 and 2 for comparison with recent years.

The steep rise in enrollment in the general physics has continued. In five years the number in general physics, first semester, has increased from 551 to 1453. The maximum in the post-war rush was 1510. Enrollments in advanced undergraduate courses have increased sharply from 239 to 337 in one year, reversing a four-year downward trend. Enrollments in 400-level courses are ten per cent above those of the previous year.

The number of undergraduate majors in physics (all classes) increased from 181 in 1954-55 to 205 in 1955-56; graduate students increased from 147 to 163. The number of B.S. degrees in physics nearly doubled (30 as compared with 16). Seventeen received the Ph.D. degree as compared with 18 in the previous year.
TABLE I. Enrollments in Courses and Degrees in Physics

A. Registration in Courses

The total registration in courses in physics during the year was as follows:

<table>
<thead>
<tr>
<th>Type of Courses</th>
<th>I Sem.</th>
<th>II Sem.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Basic physics (&quot;100&quot; courses)--regular</td>
<td>1453</td>
<td>1365</td>
</tr>
<tr>
<td>Basic physics (&quot;100&quot; courses)--corres.</td>
<td>32</td>
<td>30</td>
</tr>
<tr>
<td>&quot;200&quot; and &quot;300&quot; courses</td>
<td>337</td>
<td>367</td>
</tr>
<tr>
<td>Graduate (&quot;400&quot; courses)</td>
<td>265</td>
<td>214</td>
</tr>
<tr>
<td><strong>Total registrations</strong></td>
<td>2087</td>
<td>1976</td>
</tr>
</tbody>
</table>

The first semester registration (exclusive of correspondence courses) in comparison with recent years is shown in Figure 1.

B. Physics Majors

The numbers of individuals whose major subject is physics enrolled during the year are as follows:

<table>
<thead>
<tr>
<th>Category</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Undergraduates - LAS College</td>
<td>24</td>
</tr>
<tr>
<td>Undergraduates - Engineering College</td>
<td>179</td>
</tr>
<tr>
<td>Undergraduates or Graduates - Teacher Training</td>
<td>2</td>
</tr>
<tr>
<td>Graduate students in Physics</td>
<td>163</td>
</tr>
</tbody>
</table>

**Total physics majors** 368

C. Degrees Conferred

The degrees conferred are shown in the following table. The June figures are tentative and will be corrected to actual after Commencement.

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>B.S. in Physics (LAS)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>B.S. in Engineering Physics</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>B.S. in Teaching of Physics</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Master's in Physics</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ph.D. in Physics</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

The June figures are tentative and will be corrected to actual after Commencement.
Fig. 1

1 Semester Registrations in Physics Courses

--- "100" Courses
--- "200" and "300" Courses
--- "400" Courses
--- Research

1453
1021
56
40
337
268
237
229
223
217
246
236
240
271
381
551
675
917

961
884
652
46
426
354
40
36

Fig. 2

Degrees Conferred in Physics Department

(All figures are actual except for current year which includes June "Candidates"

- Bachelor's Degrees
- Master's Degrees
- Doctor's Degrees
Staff

The number of full-time-equivalent senior teaching staff is 27.18 and has remained nearly stationary for three years. The increases in enrollment, numerically most important in general physics, have been taken care of by adding half-time graduate assistants, who have been increased in number by eleven over last year's group. The size of staff is plotted in Figure 3.

The general physics enrollment of 1453 required 74 sections, of which only 19 were taught by senior staff. Nineteen individuals on the senior staff participated in the general physics teaching (lectures or sections) in 1955-1956. It would be highly desirable to add senior staff instructors to increase the proportion of sections taken by more mature teachers.

Changes in Courses and Curricula

LAS Curriculum in Physics. Senate and Board of Trustees approval was obtained for a new Curriculum in Physics established in the College of Liberal Arts and Sciences at the instigation of the Physics Department. It is intended for the well-prepared student who wants to accomplish a strong major in physics in a liberal arts curriculum. Its principal value is expected to be to provide guidance to the freshman or high school student in planning his work so as to accommodate the long sequences in mathematics and physics required for a strong major.
Fig. 3

Teaching and Research Staff

--- Senior Staff Teaching
----- Junior Staff Teaching
--- Senior Staff Research
(Does not include dept. members' time spent on CSL Project)
----- Junior Staff Research

Postdoctoral Fellows
--- Predoctoral Fellows
New Course—Atomic and Solid State Physics for Engineers. In response to the demand for training in modern physics for engineers the Department has planned, secured approval for, and will offer in the fall of 1956 a new course with the above title. Its designation is Physics 383.

The contents have been outlined after consultation with the more interested engineering departments, particularly Electrical Engineering, Metallurgy, and representatives of the committee on the proposed Nuclear Engineering program. The level and presentation of the course is intended to be suitable for senior or first-year graduate engineers who have a considerable training in engineering subjects and mathematics but little or no formal work in physics beyond the general course. Professor Slichter will teach the course in 1956-1957.

III. RESEARCH

The main fields of physics research at Illinois can be broadly classified as nuclear physics and physics of the solid state. There is, however, a very broad spectrum of subjects of investigation in each area. In nuclear physics there is a large group working with the 350 MEV and 22 MEV betatrons, a smaller group with the cyclotron, and still smaller but very active groups investigating properties of radioactive nuclei by special and ingenious methods. Another group uses photographic emulsion techniques to study extremely
high energy events originated by cosmic rays or by the accelerators at Berkeley and Brookhaven.

In physics of solids the range of investigations is certainly the broadest to be found in any university laboratory. It includes the study by a great variety of techniques of the properties of metals, insulating materials and semi-conductors. It includes studies in deformation, conductivity and superconductivity, elementary processes initiated by light, radiation damage by nuclear particles, diffusion and magnetic properties.

In both main areas strong groups of theoretical physicists are also advancing theory and advising the experimenters on the initiation and interpretation of fruitful experiments.

Theses and Publications

The results of successful research appear mainly in Ph.D. theses and articles in scientific journals. Theses titles and authors are listed in Table II. Numbers of articles and letters in journals are plotted in Figure 4, to show comparison with recent years.

Financial Support of Research and Distribution of Staff

The largest source of research support is the Federal Government through the military service research organizations, the Atomic Energy Commission, and the National Science Foundation. A complete list of research contracts,
<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>M.Q. Barton</td>
<td>&quot;Photoprotons from Light Elements&quot;</td>
</tr>
<tr>
<td>D.N. Beshers</td>
<td>&quot;The Internal Friction of Copper and Copper Alloys&quot;</td>
</tr>
<tr>
<td>R.C. Casella</td>
<td>&quot;The Halogen Band in Sodium Chloride&quot;</td>
</tr>
<tr>
<td>R.B. Curtis</td>
<td>&quot;The Production of Mesons by Electrons in Hydrogen&quot;</td>
</tr>
<tr>
<td>Jerrold Franklin</td>
<td>&quot;Pion Production in Pion-Nucleon Scattering&quot;</td>
</tr>
<tr>
<td>D.F. Griffing</td>
<td>&quot;Nuclear Orientation of Cobalt Isotopes&quot;</td>
</tr>
<tr>
<td>R.R. Hake</td>
<td>&quot;The Effect of Pressure on the Superconducting Transition of Lead&quot;</td>
</tr>
<tr>
<td>W.A. Harrison</td>
<td>&quot;Scattering of Electrons by Lattice Vibrations in Crystals&quot;</td>
</tr>
<tr>
<td>J.W. Henderson</td>
<td>&quot;Radiation Damage in Metals&quot;</td>
</tr>
<tr>
<td>B.B. Houston</td>
<td>&quot;The Properties of V Centers in the Alkali Halides&quot;</td>
</tr>
<tr>
<td>Roy Nilson</td>
<td>&quot;The Investigation of Excited States in Beryllium-8 by the Scattering of Alpha Particles off Helium&quot;</td>
</tr>
<tr>
<td>C.A. Mackliet</td>
<td>&quot;Diffusion of Iron, Cobalt, and Nickel in Single Crystals of Pure Copper&quot;</td>
</tr>
<tr>
<td>A.S. Penfold</td>
<td>&quot;Photonuclear Cross Section of Oxygen&quot;</td>
</tr>
<tr>
<td>Samuel Penner</td>
<td>&quot;Photoproduction of Mesons From Hydrogen and Deuterium Near Threshold&quot;</td>
</tr>
<tr>
<td>R.T. Schumacher</td>
<td>&quot;Measurement of the Spin Paramagnetism of Conduction Electrons&quot;</td>
</tr>
<tr>
<td>J.O. Thomson</td>
<td>&quot;Ionic Processes in Sodium Chloride&quot;</td>
</tr>
<tr>
<td>S.H. Vegors, Jr.</td>
<td>&quot;Gamma Ray Induced Isomers&quot;</td>
</tr>
</tbody>
</table>
Fig. 4

Physics Department Publications in Scientific Journals
(Limited Distribution Reports and Preprints Excluded)

- Articles
- Letters to Editor
with subjects of investigations, principal investigators and annual rates of support appears in Table III. During 1955-1956, however, there were very substantial contributions from University sources. In addition to recurring Betatron and Station appropriations, grants were received from the Research Board and a special distribution of $130,000 was received from the departmental share of the Control Systems Laboratory Indirect Costs. Total support of research from all sources is itemized in Table IV according to the area of investigation.

Also in Table IV the numbers of persons among staff and students who are working in the various areas of research are listed. In Figure 3 the numbers of senior and junior staff on research appointments are plotted.

New or Expanded Research Projects

Nearly every research program in the department is making progress, but attention is called to the following programs which have been initiated or sharply expanded in the past year.

1. Cyclotron rebuilding and addition to the cyclotron laboratory (Nuclear Radiations Laboratory). The cyclotron has been a useful and reliable instrument for some 12 years, and increasingly so in the last five. It is now, however, worn out in various parts and obsolete with respect to recent improvements in design. The decision was therefore
<table>
<thead>
<tr>
<th>Contract No.</th>
<th>Subject and Principal Investigator</th>
<th>Current Year Est. Yearly Amt.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nonr-1834(05)</td>
<td>Nuclear Physics - F.W. Loomis</td>
<td>419 000.</td>
</tr>
<tr>
<td>AF18(600)-689</td>
<td>Theoretical Research in Physics of Solids - F. Seitz</td>
<td>17 000.</td>
</tr>
<tr>
<td>AF18(603)-69</td>
<td>Exptl. Research and Study of Surface Physics with Radioactive Substances - Frauenfelder</td>
<td>13 492.</td>
</tr>
<tr>
<td>A.P. Sloan Foundn.</td>
<td>Research on Resonance in Solids - C.P. Slichter</td>
<td>20 000.</td>
</tr>
<tr>
<td>NSF Grant G-1602</td>
<td>Theoretical Research on Solids - F. Seitz</td>
<td>6 066.</td>
</tr>
<tr>
<td>NSF Grant G-1870</td>
<td>High Energy Nuclear Phenomena - C.S. Robinson</td>
<td>8 691.</td>
</tr>
<tr>
<td>MURA-Illiac Cosmotron</td>
<td>Grants by MURA from NSF funds For Research on Accelerators - D.W. Herst</td>
<td>90 292.</td>
</tr>
<tr>
<td></td>
<td>TOTAL</td>
<td>$862 290.</td>
</tr>
<tr>
<td>Field</td>
<td>Univ. of Ill. Support Res. Approp.</td>
<td>Univ. of Ill. Support Res. Board</td>
</tr>
<tr>
<td>------------------------------------------------</td>
<td>-----------------------------------</td>
<td>----------------------------------</td>
</tr>
<tr>
<td>Nuclear Physics and Cosmic Rays (Exper. and Theoret.)</td>
<td>132 618</td>
<td>60 935</td>
</tr>
<tr>
<td>Physics of Solids (Exper. and Theoret.)</td>
<td>17 100</td>
<td>8 125</td>
</tr>
<tr>
<td>Theoretical Physics (Not included above)</td>
<td>3 100</td>
<td>3</td>
</tr>
<tr>
<td>MURA (accelerator design and theory)</td>
<td>1 200</td>
<td>90 292</td>
</tr>
<tr>
<td>Electrode Physics</td>
<td>6 000</td>
<td></td>
</tr>
<tr>
<td><strong>TOTALS</strong></td>
<td><strong>149 718</strong></td>
<td><strong>73 360</strong></td>
</tr>
</tbody>
</table>

**Indirect cost funds allocated to department-**

- Regular (from department contracts)- allocated as needed to various projects: **$40 000 (Approx.)**
- Special (from CSL indirect costs)- distributed as follows:
  - Cyclotron rebuilding: **$60 000**
  - Magnet (Slichter): **15 000**
  - Rebuilding helium liquefier: **11 000**
  - Low temperature apparatus (Mapother): **2 500**
  - Surface physics and superconductivity experiment (Frauenfelder): **6 000**
  - Shop equipment: **11 500**
  - Betatron (mainly nuclear detection equipment): **19 000**
  - Contingency: **5 000**

**Total**: **$170 000**.
taken to rebuild it extensively, incorporating new features which will increase the energy and intensity of the output beam of particles, permit the acceleration of a greater variety of ions, and provide a very desirable controlled variation of the energy of the particles. The cost of the job is estimated to be $110,000 of which $50,000 has been provided by the Research Board and $60,000 has been allocated from the department share of a Control Systems Laboratory Indirect Costs distribution.

At the same time funds have been secured for adding to and remodeling the cyclotron laboratory. New laboratory space of 2200 square feet will be provided. This will add research space and permit moving the machine shop from an area near the cyclotron which will become quite hazardous with the improved output of the cyclotron. The cost of the addition and remodeling is estimated to be $65,000 which was provided in two equal amounts from the Non-Recurring Appropriations and Minor Building Improvements funds.

2. **Magnetic Resonance Program.** This area, developed very successfully by Professor C.P. Slichter since 1949, is being expanded by means of a grant to him from the A.P. Sloan Foundation ($20,000 per year). From Indirect Costs $15,000 was used to purchase and install a large electromagnet. Dr. Gordon Newell, now in the Control Systems Laboratory, will join the group as a Research Assistant Professor in the fall of 1956.
3. Physics of Surfaces. Dr. Hans Frauenfelder, who has been in the department since 1952, is an expert in the field known as angular correlation of nuclear radiations, and has applied its techniques to the study of a number of problems in solid state physics as well as in nuclear physics. One such departure is the investigation of surface properties of solids which has been initiated with departmental financial support. The Air Force has recently contracted to support the program with a grant at an initial rate of $13,500 per year.

4. Electronic Properties of Non-Metallic Crystals. A substantial expansion of experimental research in this subject is underway with new support from the Air Force at an annual rate of $26,000. Professor R.J. Maurer is in charge and Assistant Professor Fred Brown who came to the department in September, 1955 is a leader in the group.

5. Betatron Program. During the past few years the emphasis in the betatron research laboratory has shifted from exploratory work, often done with nuclear photographic emulsions, to elaborate experiments requiring precision counting. This requires a great deal of special detecting devices and electronic counting gear. About $19,000 was allocated for the purpose from the Control Systems Laboratory Indirect Costs fund.

6. MURA Program. The Midwest Universities Research Association is primarily concerned with the design and construction in a suitable location of a multi-billion volt
particle accelerator. The technical group which is doing the theory and design of such accelerators has been located at Urbana during 1955-1956. Professor Kerst is the leader of the group and Professor J.N. Snyder has had the leading role in extensive use of the Illiac computer for the purposes of the program. Three to five professors from other institutions belonging to MURA have been in residence and a sizeable crew of graduate assistants have been employed in the use of the computer. At the betatron laboratory models of one type of accelerator are being built and tested.

From April 1, 1956 to August 31, 1956 Professor Kerst is on leave from the University as Acting Technical Director of MURA. Professor P.G. Kruger, who for some time has represented the University on the MURA Board of Directors and has been its president, is also on leave for the same period as Acting General Manager of MURA.

The study phase of the MURA program has been supported by grants from the National Science Foundation and the Office of Naval Research. The A.E.C. will continue this phase of the program through 1956-1957 with a grant to MURA of over one million dollars. The program in 1956-1957 will have its headquarters at Madison, Wisconsin. It is hoped and anticipated that by the end of the coming academic year assurance of funds for the construction in the midwest of a very large accelerator will be received.
A summary of the research activities in nuclear physics in 1955-1956 is contained in the accompanying annual report for Contract Nonr-1834(05) which supports all aspects of nuclear physics at Illinois.
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>101</td>
<td>424</td>
<td>325</td>
<td>290</td>
<td>221</td>
<td>204</td>
<td>227</td>
<td>277</td>
<td>284</td>
<td>295</td>
<td></td>
</tr>
<tr>
<td>102</td>
<td>39</td>
<td>53</td>
<td>52</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>103</td>
<td>680</td>
<td>416</td>
<td>401</td>
<td>306</td>
<td>259</td>
<td>360</td>
<td>470</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>104</td>
<td>460</td>
<td>181</td>
<td>140</td>
<td>73</td>
<td>88</td>
<td>87</td>
<td>149</td>
<td>146</td>
<td></td>
<td></td>
</tr>
<tr>
<td>106</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>363</td>
<td>428</td>
</tr>
<tr>
<td>107</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>320</td>
</tr>
<tr>
<td>108</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>113</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>114</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>232</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>270</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>241</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>281</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>321</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>322</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>341</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>342</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>344</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>351</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>360</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>362</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>371</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>372</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>381</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>400</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>403</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>404</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>424</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>436C</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>441</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>463</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>481</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>482</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>483</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>485</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>487</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>488</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>488A</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>491</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>493</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>498</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Totals</td>
<td>2098</td>
<td>1641</td>
<td>1466</td>
<td>1349</td>
<td>1172</td>
<td>1238</td>
<td>1416</td>
<td>1497</td>
<td></td>
<td>2055</td>
</tr>
</tbody>
</table>

x123     | 22      | 22    | 30    | 24    | 25    | 31    | 40    | 30    | 20    |

x124     | 16      | 7     | 17    | 9     | 17    | 15    | 26    | 17    | 12    |
Second Semester Registrations in Physics Courses 1947-48 to Date

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>101</td>
<td>--</td>
<td>75</td>
<td>86</td>
<td>72</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>102</td>
<td>388</td>
<td>250</td>
<td>192</td>
<td>136</td>
<td>165</td>
<td>164</td>
<td>202</td>
<td>224</td>
<td>198</td>
<td></td>
<td></td>
</tr>
<tr>
<td>103</td>
<td>193</td>
<td>124</td>
<td>115</td>
<td>80</td>
<td>73</td>
<td>162</td>
<td>166</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>104</td>
<td>543</td>
<td>351</td>
<td>341</td>
<td>264</td>
<td>208</td>
<td>275</td>
<td>391</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>106</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>20</td>
<td>202</td>
<td>452</td>
<td>431</td>
<td></td>
<td></td>
</tr>
<tr>
<td>107</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>234</td>
<td>328</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>108</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>15</td>
<td>327</td>
<td>408</td>
<td></td>
<td></td>
</tr>
<tr>
<td>113</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>0</td>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>114</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>0</td>
<td>1</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>232</td>
<td>17</td>
<td>6</td>
<td>27</td>
<td>--</td>
<td>13</td>
<td>15</td>
<td>16</td>
<td>8</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>241</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>8</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>260</td>
<td>53</td>
<td>29</td>
<td>8</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td></td>
<td></td>
</tr>
<tr>
<td>270</td>
<td>51</td>
<td>27</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td></td>
<td></td>
</tr>
<tr>
<td>281</td>
<td>--</td>
<td>13</td>
<td>21</td>
<td>25</td>
<td>23</td>
<td>16</td>
<td>20</td>
<td>12</td>
<td>13</td>
<td></td>
<td></td>
</tr>
<tr>
<td>321</td>
<td>--</td>
<td>8</td>
<td>27</td>
<td>17</td>
<td>36</td>
<td>27</td>
<td>17</td>
<td>15</td>
<td>20</td>
<td></td>
<td></td>
</tr>
<tr>
<td>322</td>
<td>62</td>
<td>37</td>
<td>27</td>
<td>47</td>
<td>7</td>
<td>10</td>
<td>27</td>
<td>36</td>
<td>39</td>
<td></td>
<td></td>
</tr>
<tr>
<td>330</td>
<td>--</td>
<td>26</td>
<td>8</td>
<td>--</td>
<td>7</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td></td>
<td></td>
</tr>
<tr>
<td>341</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td></td>
<td></td>
</tr>
<tr>
<td>342</td>
<td>58</td>
<td>41</td>
<td>39</td>
<td>57</td>
<td>--</td>
<td>33</td>
<td>27</td>
<td>39</td>
<td>24</td>
<td></td>
<td></td>
</tr>
<tr>
<td>343</td>
<td>49</td>
<td>48</td>
<td>40</td>
<td>46</td>
<td>37</td>
<td>21</td>
<td>25</td>
<td>34</td>
<td>28</td>
<td></td>
<td></td>
</tr>
<tr>
<td>344</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>37</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td></td>
<td></td>
</tr>
<tr>
<td>352</td>
<td>10</td>
<td>7</td>
<td>6</td>
<td>5</td>
<td>2</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>354</td>
<td>--</td>
<td>--</td>
<td>5</td>
<td>--</td>
<td>8</td>
<td>0</td>
<td>5</td>
<td>--</td>
<td>--</td>
<td></td>
<td></td>
</tr>
<tr>
<td>360</td>
<td>--</td>
<td>48</td>
<td>52</td>
<td>44</td>
<td>55</td>
<td>17</td>
<td>16</td>
<td>27</td>
<td>33</td>
<td></td>
<td></td>
</tr>
<tr>
<td>362</td>
<td>62</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>45</td>
<td>40</td>
<td>38</td>
<td>43</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>372</td>
<td>68</td>
<td>53</td>
<td>57</td>
<td>47</td>
<td>47</td>
<td>36</td>
<td>40</td>
<td>27</td>
<td>56</td>
<td></td>
<td></td>
</tr>
<tr>
<td>374</td>
<td>48</td>
<td>47</td>
<td>54</td>
<td>43</td>
<td>41</td>
<td>30</td>
<td>35</td>
<td>22</td>
<td>40</td>
<td></td>
<td></td>
</tr>
<tr>
<td>381</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td></td>
<td></td>
</tr>
<tr>
<td>382</td>
<td>10</td>
<td>10</td>
<td>5</td>
<td>--</td>
<td>18</td>
<td>9</td>
<td>13</td>
<td>7</td>
<td>20</td>
<td></td>
<td></td>
</tr>
<tr>
<td>403</td>
<td>--</td>
<td>13</td>
<td>13</td>
<td>8</td>
<td>9</td>
<td>7</td>
<td>5</td>
<td>5</td>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>404</td>
<td>14</td>
<td>18</td>
<td>5</td>
<td>10</td>
<td>7</td>
<td>3</td>
<td>2</td>
<td>2</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>422</td>
<td>44</td>
<td>37</td>
<td>33</td>
<td>47</td>
<td>32</td>
<td>28</td>
<td>17</td>
<td>22</td>
<td>32</td>
<td></td>
<td></td>
</tr>
<tr>
<td>435</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>15</td>
<td>13</td>
<td>15</td>
<td>7</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>436B</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td></td>
<td></td>
</tr>
<tr>
<td>442</td>
<td>17</td>
<td>41</td>
<td>16</td>
<td>32</td>
<td>24</td>
<td>39</td>
<td>30</td>
<td>32</td>
<td>28</td>
<td></td>
<td></td>
</tr>
<tr>
<td>463</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>16</td>
<td>--</td>
<td>16</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>481</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>30</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>482</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td></td>
<td></td>
</tr>
<tr>
<td>484</td>
<td>19</td>
<td>25</td>
<td>17</td>
<td>15</td>
<td>14</td>
<td>9</td>
<td>13</td>
<td>7</td>
<td>14</td>
<td></td>
<td></td>
</tr>
<tr>
<td>486</td>
<td>20</td>
<td>13</td>
<td>22</td>
<td>28</td>
<td>25</td>
<td>18</td>
<td>28</td>
<td>24</td>
<td>24</td>
<td></td>
<td></td>
</tr>
<tr>
<td>487</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>6</td>
<td>--</td>
<td>--</td>
<td>3</td>
<td>--</td>
<td></td>
<td></td>
</tr>
<tr>
<td>488</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>12</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td></td>
<td></td>
</tr>
<tr>
<td>490</td>
<td>--</td>
<td>--</td>
<td>5</td>
<td>8</td>
<td>20</td>
<td>16</td>
<td>18</td>
<td>31</td>
<td>18</td>
<td></td>
<td></td>
</tr>
<tr>
<td>493</td>
<td>22</td>
<td>37</td>
<td>53</td>
<td>41</td>
<td>52</td>
<td>56</td>
<td>58</td>
<td>51</td>
<td>55</td>
<td></td>
<td></td>
</tr>
<tr>
<td>498</td>
<td>0</td>
<td>0</td>
<td>3</td>
<td>11</td>
<td>4</td>
<td>15</td>
<td>3</td>
<td>12</td>
<td>2</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Totals: 1698 1384 1289 1113 978 1086 1464 1737 1946
Summary of Registrations in Physics Courses During Summer Sessions 1948 to Date

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>101</td>
<td>38</td>
<td>12</td>
<td>35</td>
<td>17</td>
<td>7</td>
<td>11</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>102</td>
<td>31</td>
<td>32</td>
<td>25</td>
<td>32</td>
<td>13</td>
<td>20</td>
<td>12</td>
<td>15</td>
<td></td>
</tr>
<tr>
<td>106</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>41</td>
<td>67</td>
<td></td>
</tr>
<tr>
<td>107</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>46</td>
<td></td>
</tr>
<tr>
<td>108</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td></td>
</tr>
<tr>
<td>113</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>1</td>
<td>--</td>
<td></td>
</tr>
<tr>
<td>281</td>
<td>--</td>
<td>16</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td></td>
</tr>
<tr>
<td>321</td>
<td>14</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td></td>
</tr>
<tr>
<td>322</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>7</td>
<td>--</td>
<td></td>
</tr>
<tr>
<td>341</td>
<td>--</td>
<td>--</td>
<td>10</td>
<td>--</td>
<td>--</td>
<td>10</td>
<td>--</td>
<td>--</td>
<td></td>
</tr>
<tr>
<td>360</td>
<td>29</td>
<td>--</td>
<td>--</td>
<td>23</td>
<td>--</td>
<td>--</td>
<td>20</td>
<td>--</td>
<td></td>
</tr>
<tr>
<td>362</td>
<td>--</td>
<td>23</td>
<td>--</td>
<td>--</td>
<td>21</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td></td>
</tr>
<tr>
<td>371</td>
<td>17</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td></td>
</tr>
<tr>
<td>373</td>
<td>12</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td></td>
</tr>
<tr>
<td>400</td>
<td>32</td>
<td>--</td>
<td>--</td>
<td>26</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td></td>
</tr>
<tr>
<td>404</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>1</td>
<td>--</td>
<td></td>
</tr>
<tr>
<td>463</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>14</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td></td>
</tr>
<tr>
<td>471</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>50</td>
<td>--</td>
<td>--</td>
<td></td>
</tr>
<tr>
<td>472</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>15</td>
<td>--</td>
<td>--</td>
<td></td>
</tr>
<tr>
<td>481</td>
<td>--</td>
<td>--</td>
<td>8</td>
<td>18</td>
<td>10</td>
<td>12</td>
<td>22</td>
<td>15</td>
<td></td>
</tr>
<tr>
<td>493</td>
<td>19</td>
<td>22</td>
<td>27</td>
<td>22</td>
<td>26</td>
<td>36</td>
<td>25</td>
<td>18</td>
<td></td>
</tr>
<tr>
<td>498</td>
<td>3</td>
<td>2</td>
<td>0</td>
<td>1</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>2</td>
<td></td>
</tr>
</tbody>
</table>

Totals: 195  107  105  139  101  158  123  164

x123  19  22  26  23  33  42  36  ?

x124  9  13  11  16  15  20  24  ?
<table>
<thead>
<tr>
<th>Crse. Enroll. No.</th>
<th>Rank</th>
<th>Instructor</th>
<th>f.t.e. Teach.</th>
<th>L Adm.</th>
<th>Q lab</th>
<th>Assistant's Other Duties</th>
</tr>
</thead>
<tbody>
<tr>
<td>101 301</td>
<td>Assoc. Prof.</td>
<td>Paton</td>
<td>1.00</td>
<td>2 -</td>
<td>2</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>Professor</td>
<td>Hill</td>
<td>-</td>
<td>- 1</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>R. Asst. Prof.</td>
<td>Brown</td>
<td>-</td>
<td>- 1</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Assistant</td>
<td>Beatty</td>
<td>-</td>
<td>- 1 1</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Assistant</td>
<td>Cunningham</td>
<td>.50</td>
<td>-</td>
<td>2</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Assistant</td>
<td>deWit, Gloria</td>
<td>.50</td>
<td>-</td>
<td>2</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Assistant</td>
<td>MacDonald</td>
<td>.50</td>
<td>-</td>
<td>2</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Assistant</td>
<td>Tausig</td>
<td>.50</td>
<td>-</td>
<td>1 1</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Assistant</td>
<td>Christensen</td>
<td>.50</td>
<td>-</td>
<td>- 3 1</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Assistant</td>
<td>Hamerly</td>
<td>.50</td>
<td>-</td>
<td>- 2</td>
<td>Ext. grading</td>
</tr>
<tr>
<td></td>
<td>Assistant</td>
<td>Kannewurf</td>
<td>.50</td>
<td>-</td>
<td>- 3</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Assistant</td>
<td>Kennedy</td>
<td>.50</td>
<td>-</td>
<td>- 3</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Assistant</td>
<td>Oberholtzer</td>
<td>.50</td>
<td>-</td>
<td>- 3</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Lab. admin.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>371 grader</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Ext. grading</td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td></td>
<td></td>
<td>2 12</td>
<td>15</td>
<td>14</td>
</tr>
<tr>
<td>106 429</td>
<td>Professor</td>
<td>Sherwin</td>
<td>2</td>
<td>-</td>
<td>-</td>
<td>Lab. Admin.</td>
</tr>
<tr>
<td></td>
<td>Instructor</td>
<td>John</td>
<td>-</td>
<td>2 2</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Assoc. Prof.</td>
<td>Mapother</td>
<td>-</td>
<td>- 1</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Professor</td>
<td>Chew</td>
<td>-</td>
<td>- 1</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Asst. Prof.</td>
<td>Feingold</td>
<td>-</td>
<td>- 1</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Professor</td>
<td>Meagher</td>
<td>-</td>
<td>- 1</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Assistant</td>
<td>O'Connell</td>
<td>-</td>
<td>2 2</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Assistant</td>
<td>Boicourt</td>
<td>-</td>
<td>2 2</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Assistant</td>
<td>Frederick</td>
<td>-</td>
<td>2 2</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Assistant</td>
<td>Pierce</td>
<td>-</td>
<td>2 2</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Assistant</td>
<td>Missman</td>
<td>-</td>
<td>2 2</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Assistant</td>
<td>Martin</td>
<td>-</td>
<td>2 2</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Assistant</td>
<td>Stajdohar</td>
<td>-</td>
<td>2 2</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Assistant</td>
<td>Mullen</td>
<td>-</td>
<td>1 3</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Assistant</td>
<td>Tipler</td>
<td>-</td>
<td>1 3</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td></td>
<td></td>
<td>2 22</td>
<td>22</td>
<td>22</td>
</tr>
<tr>
<td>107 404</td>
<td>Professor</td>
<td>Slichter</td>
<td>2</td>
<td>-</td>
<td>-</td>
<td>Lab. Admin.</td>
</tr>
<tr>
<td></td>
<td>Professor</td>
<td>Becker</td>
<td>-</td>
<td>1 1</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Asst. Prof.</td>
<td>Ascoli</td>
<td>-</td>
<td>- 1</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Professor</td>
<td>Hulsizer</td>
<td>-</td>
<td>- 1</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>R. Asst. Prof.</td>
<td>Goldwasser</td>
<td>-</td>
<td>- 1</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Assistant</td>
<td>Paradis</td>
<td>-</td>
<td>2 2</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Assistant</td>
<td>Holton</td>
<td>-</td>
<td>2 2</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Assistant</td>
<td>Anderson</td>
<td>-</td>
<td>2 2</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Assistant</td>
<td>Shaw</td>
<td>-</td>
<td>2 2</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Assistant</td>
<td>Hobart</td>
<td>-</td>
<td>2 2</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Assistant</td>
<td>McKinley</td>
<td>-</td>
<td>2 2</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Assistant</td>
<td>Lynch</td>
<td>-</td>
<td>2 2</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Assistant</td>
<td>Peacock</td>
<td>-</td>
<td>2 2</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Assistant</td>
<td>Jackson</td>
<td>-</td>
<td>1 3</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Assistant</td>
<td>Blatchley</td>
<td>-</td>
<td>1 3</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Assistant</td>
<td>Lewis</td>
<td>-</td>
<td>1 1</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td></td>
<td></td>
<td>2 23</td>
<td>23</td>
<td>23</td>
</tr>
<tr>
<td>Course Enroll. No.</td>
<td>Instructor</td>
<td>f.t.e. L</td>
<td>Q-L Grade</td>
<td>Assistant's Other Duties</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-------------------</td>
<td>---------------------------</td>
<td>----------</td>
<td>-----------</td>
<td>--------------------------</td>
<td></td>
<td></td>
</tr>
<tr>
<td>108</td>
<td>Assoc. Prof. Snyder</td>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Asst. Prof. Wheatley</td>
<td>-</td>
<td>2</td>
<td>1</td>
<td>Lab. Admin.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Professor Maurer</td>
<td>-</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Asst. Prof. Abrahams</td>
<td>-</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Assoc. Prof. Low</td>
<td>-</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Assistant Fuchs</td>
<td>.25</td>
<td>1</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Assistant Greenberger</td>
<td>.25</td>
<td>1</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Assistant Iben</td>
<td>.50</td>
<td>2</td>
<td>2</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Assistant Flinner</td>
<td>.50</td>
<td>2</td>
<td>2</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Assistant Kahalas</td>
<td>.50</td>
<td>2</td>
<td>2</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Assistant Emrick</td>
<td>.50</td>
<td>2</td>
<td>2</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Assistant Baum</td>
<td>.50</td>
<td>1</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Assistant Jones</td>
<td>.50</td>
<td>1</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Total</strong></td>
<td><strong>2</strong></td>
<td><strong>17</strong></td>
<td><strong>17</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Crse. En-</td>
<td>Instructor</td>
<td>Rank</td>
<td>f.t.e. Teach</td>
<td>Part-time Assistants</td>
<td></td>
<td></td>
</tr>
<tr>
<td>No. roll.</td>
<td>in Charge</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>-----------</td>
<td>-----------</td>
<td>------</td>
<td>-------------</td>
<td>--------------------</td>
<td></td>
<td></td>
</tr>
<tr>
<td>281</td>
<td>Mapother</td>
<td>Assoc. Professor</td>
<td>.25</td>
<td>W.W. Simmons</td>
<td></td>
<td></td>
</tr>
<tr>
<td>321</td>
<td>Becker</td>
<td>Professor</td>
<td>.50</td>
<td>R.L. Burman</td>
<td></td>
<td></td>
</tr>
<tr>
<td>322</td>
<td>Ascoli</td>
<td>Asst. Professor</td>
<td>.25</td>
<td>LB Mendelsohn</td>
<td></td>
<td></td>
</tr>
<tr>
<td>341</td>
<td>Lyman</td>
<td>Professor</td>
<td>.50</td>
<td>H.E. Hall</td>
<td></td>
<td></td>
</tr>
<tr>
<td>342</td>
<td>Smith</td>
<td>Asst. Professor</td>
<td>.50</td>
<td>S. Margulies</td>
<td></td>
<td></td>
</tr>
<tr>
<td>344</td>
<td>Allen</td>
<td>Professor</td>
<td>.50</td>
<td>I. Schneider</td>
<td></td>
<td></td>
</tr>
<tr>
<td>360</td>
<td>Maurer</td>
<td>Professor</td>
<td>.25</td>
<td>R.H. Holcomb</td>
<td></td>
<td></td>
</tr>
<tr>
<td>371</td>
<td>Almy</td>
<td>Professor &amp; Assoc. Hd.</td>
<td>.25</td>
<td>Sandra Tausig</td>
<td></td>
<td></td>
</tr>
<tr>
<td>381</td>
<td>Kruger</td>
<td>Professor</td>
<td>.25</td>
<td>L.T. Dillman</td>
<td></td>
<td></td>
</tr>
<tr>
<td>400</td>
<td>Chew</td>
<td>Professor</td>
<td>.25</td>
<td>P.J. Wyatt</td>
<td></td>
<td></td>
</tr>
<tr>
<td>403-4</td>
<td>Frauenfelder</td>
<td>Res. Asst. Prof.</td>
<td></td>
<td>D.M. Greenberger</td>
<td></td>
<td></td>
</tr>
<tr>
<td>436C</td>
<td>Seitz</td>
<td>Professor</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>424</td>
<td>McVittie</td>
<td>Prof., Hd. Astr. Dept.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>441</td>
<td>Low</td>
<td>Assoc. Professor</td>
<td>.25</td>
<td>J. Franklin</td>
<td></td>
<td></td>
</tr>
<tr>
<td>481</td>
<td>Bardeen</td>
<td>Professor</td>
<td>.25</td>
<td>W.W. Simmons</td>
<td></td>
<td></td>
</tr>
<tr>
<td>483</td>
<td>Hill</td>
<td>Professor</td>
<td>.25</td>
<td>H.R. Lewis</td>
<td></td>
<td></td>
</tr>
<tr>
<td>485</td>
<td>Weneser</td>
<td>Res. Asst. Professor</td>
<td>.25</td>
<td>Ronald Fuchs</td>
<td></td>
<td></td>
</tr>
<tr>
<td>488A</td>
<td>Feingold</td>
<td>Asst. Professor</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>489</td>
<td>Koehler</td>
<td>Professor</td>
<td>.25</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>493</td>
<td>Sr. Staff</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>498</td>
<td>Sr. Staff</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Crse. No.</td>
<td>Enroll.</td>
<td>Rank</td>
<td>Instructor</td>
<td>f.t.e.</td>
<td>Lab</td>
<td>Q</td>
</tr>
<tr>
<td>-----------</td>
<td>--------</td>
<td>------</td>
<td>------------</td>
<td>-------</td>
<td>-----</td>
<td>---</td>
</tr>
<tr>
<td>102</td>
<td>200</td>
<td></td>
<td>Brown</td>
<td>1.00</td>
<td>2 x</td>
<td>1</td>
</tr>
<tr>
<td>102</td>
<td>200</td>
<td></td>
<td>Hill</td>
<td>.50</td>
<td></td>
<td></td>
</tr>
<tr>
<td>102</td>
<td>200</td>
<td></td>
<td>Beatty</td>
<td>.50</td>
<td></td>
<td></td>
</tr>
<tr>
<td>102</td>
<td>200</td>
<td></td>
<td>Cunningham</td>
<td>.50</td>
<td></td>
<td></td>
</tr>
<tr>
<td>102</td>
<td>200</td>
<td></td>
<td>deWit, Gloria</td>
<td>.50</td>
<td></td>
<td></td>
</tr>
<tr>
<td>102</td>
<td>200</td>
<td></td>
<td>Hamerly</td>
<td>.50</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>102</td>
<td>200</td>
<td></td>
<td>Kannewurf</td>
<td>.50</td>
<td></td>
<td></td>
</tr>
<tr>
<td>102</td>
<td>200</td>
<td></td>
<td>Kennedy</td>
<td>.50</td>
<td></td>
<td></td>
</tr>
<tr>
<td>102</td>
<td>200</td>
<td></td>
<td>MacDonald</td>
<td>.50</td>
<td></td>
<td></td>
</tr>
<tr>
<td>102</td>
<td>200</td>
<td></td>
<td>Magnuson</td>
<td>.25</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>102</td>
<td>200</td>
<td></td>
<td>Oberholtzer</td>
<td>.50</td>
<td></td>
<td>0</td>
</tr>
<tr>
<td>102</td>
<td>200</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>106</td>
<td>429</td>
<td></td>
<td>Snyder</td>
<td>1.00</td>
<td>2 x</td>
<td></td>
</tr>
<tr>
<td>106</td>
<td>429</td>
<td></td>
<td>Becker</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>106</td>
<td>429</td>
<td></td>
<td>Maurer</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>106</td>
<td>429</td>
<td></td>
<td>Low</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>106</td>
<td>429</td>
<td></td>
<td>Curtis</td>
<td>1.00</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>106</td>
<td>429</td>
<td></td>
<td>Baum</td>
<td>.50</td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>106</td>
<td>429</td>
<td></td>
<td>Beehler</td>
<td>.50</td>
<td>1</td>
<td>3</td>
</tr>
<tr>
<td>106</td>
<td>429</td>
<td></td>
<td>Burman</td>
<td>.50</td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>106</td>
<td>429</td>
<td></td>
<td>Christensen</td>
<td>.50</td>
<td>1</td>
<td>3</td>
</tr>
<tr>
<td>106</td>
<td>429</td>
<td></td>
<td>Emrick</td>
<td>.50</td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>106</td>
<td>429</td>
<td></td>
<td>Flinner</td>
<td>.50</td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>106</td>
<td>429</td>
<td></td>
<td>Gove</td>
<td>.25</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>106</td>
<td>429</td>
<td></td>
<td>Iben</td>
<td>.50</td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>106</td>
<td>429</td>
<td></td>
<td>Jones</td>
<td>.50</td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>106</td>
<td>429</td>
<td></td>
<td>Malmberg</td>
<td>.25</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>106</td>
<td>429</td>
<td></td>
<td>Tausig</td>
<td>.50</td>
<td>1</td>
<td>3</td>
</tr>
<tr>
<td>107</td>
<td>330</td>
<td></td>
<td>Sherwin</td>
<td>1.00</td>
<td>2 x</td>
<td></td>
</tr>
<tr>
<td>107</td>
<td>330</td>
<td></td>
<td>John</td>
<td>1.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>107</td>
<td>330</td>
<td></td>
<td>Chew</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>107</td>
<td>330</td>
<td></td>
<td>Meagher</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>107</td>
<td>330</td>
<td></td>
<td>Boicourt</td>
<td>.50</td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>107</td>
<td>330</td>
<td></td>
<td>Frederick</td>
<td>.50</td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>107</td>
<td>330</td>
<td></td>
<td>Lewis</td>
<td>.25</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>107</td>
<td>330</td>
<td></td>
<td>Martin</td>
<td>.50</td>
<td>1</td>
<td>3</td>
</tr>
<tr>
<td>107</td>
<td>330</td>
<td></td>
<td>Missman</td>
<td>.50</td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>107</td>
<td>330</td>
<td></td>
<td>O'Connell</td>
<td>.50</td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>107</td>
<td>330</td>
<td></td>
<td>Pierce</td>
<td>.50</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>107</td>
<td>330</td>
<td></td>
<td>Stajdohar</td>
<td>.50</td>
<td></td>
<td>2</td>
</tr>
</tbody>
</table>

L Adm. Q-L Grader

<table>
<thead>
<tr>
<th>Crse. No.</th>
<th>Enroll.</th>
<th>Rank</th>
<th>Instructor</th>
<th>f.t.e.</th>
<th>Lab</th>
<th>Q</th>
<th>Lab Assistant's Other Duties</th>
</tr>
</thead>
<tbody>
<tr>
<td>107</td>
<td>330</td>
<td></td>
<td>Sherwin</td>
<td>1.00</td>
<td>2 x</td>
<td></td>
<td>-</td>
</tr>
<tr>
<td>107</td>
<td>330</td>
<td></td>
<td>John</td>
<td>1.00</td>
<td></td>
<td></td>
<td>Lab 1</td>
</tr>
<tr>
<td>107</td>
<td>330</td>
<td></td>
<td>Chew</td>
<td></td>
<td></td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>107</td>
<td>330</td>
<td></td>
<td>Meagher</td>
<td></td>
<td></td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>107</td>
<td>330</td>
<td></td>
<td>Boicourt</td>
<td>.50</td>
<td></td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>107</td>
<td>330</td>
<td></td>
<td>Frederick</td>
<td>.50</td>
<td></td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>107</td>
<td>330</td>
<td></td>
<td>Lewis</td>
<td>.25</td>
<td>1</td>
<td>1</td>
<td>-</td>
</tr>
<tr>
<td>107</td>
<td>330</td>
<td></td>
<td>Martin</td>
<td>.50</td>
<td>1</td>
<td>3</td>
<td>-</td>
</tr>
<tr>
<td>107</td>
<td>330</td>
<td></td>
<td>Missman</td>
<td>.50</td>
<td></td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>107</td>
<td>330</td>
<td></td>
<td>O'Connell</td>
<td>.50</td>
<td></td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>107</td>
<td>330</td>
<td></td>
<td>Pierce</td>
<td>.50</td>
<td>2</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>107</td>
<td>330</td>
<td></td>
<td>Stajdohar</td>
<td>.50</td>
<td></td>
<td>2</td>
<td>2</td>
</tr>
</tbody>
</table>

2 | 17 | 17
# Teaching Assignments and Course Enrollments
## In Elementary Courses II Semester 1955-1956

<table>
<thead>
<tr>
<th>Crse. No.</th>
<th>Enroll.</th>
<th>Rank</th>
<th>Instructor</th>
<th>f.t.e.</th>
<th>L Adm.</th>
<th>Q-L Grader</th>
</tr>
</thead>
<tbody>
<tr>
<td>106</td>
<td>408</td>
<td>2/8</td>
<td>Assoc. Prof. Mapother</td>
<td>2</td>
<td>Lab 1</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Assist. Prof. Wheatley</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Asst. Prof. Ascoli</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Professor Hulsizer</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Asst. Prof. Feingold</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Assistant Anderson</td>
<td>.50</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Assistant Blatchley</td>
<td>.50</td>
<td>1</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Assistant Blum</td>
<td>.50</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Assistant Carrigan</td>
<td>.50</td>
<td>1</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Assistant Jackson</td>
<td>.50</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Assistant Lynch</td>
<td>.50</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Assistant McKinley</td>
<td>.50</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Assistant Mullen</td>
<td>.50</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Assistant Shaw</td>
<td>.50</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Assistant Tipler</td>
<td>.50</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>2</td>
<td>22</td>
<td>22</td>
</tr>
<tr>
<td>Course No.</td>
<td>2/8 Enroll.</td>
<td>Instructor Name</td>
<td>Rank</td>
<td>F.T.E.</td>
<td>Part-time Assistants</td>
<td></td>
</tr>
<tr>
<td>------------</td>
<td>------------</td>
<td>-----------------</td>
<td>-----------------</td>
<td>--------</td>
<td>----------------------</td>
<td></td>
</tr>
<tr>
<td>281</td>
<td>12</td>
<td>Wheatley</td>
<td>Asst. Prof.</td>
<td>.25</td>
<td>Fuchs</td>
<td></td>
</tr>
<tr>
<td>321</td>
<td>20</td>
<td>Ascoli</td>
<td>Asst. Prof.</td>
<td>.25</td>
<td>deWit, G.</td>
<td></td>
</tr>
<tr>
<td>322</td>
<td>35</td>
<td>Becker</td>
<td>Professor</td>
<td>.25</td>
<td>Hobart</td>
<td></td>
</tr>
<tr>
<td>360</td>
<td>30</td>
<td>Thomson</td>
<td>Asst. Prof.</td>
<td>.25</td>
<td>Simmons, W.W.</td>
<td></td>
</tr>
<tr>
<td>362</td>
<td>43</td>
<td>Abrahams</td>
<td>Asst. Prof.</td>
<td>.25</td>
<td>Millea</td>
<td></td>
</tr>
<tr>
<td>381</td>
<td>13</td>
<td>Goldwasser</td>
<td>Asst. Prof.</td>
<td>.25</td>
<td>Hobart</td>
<td></td>
</tr>
<tr>
<td>382</td>
<td>18</td>
<td>Kruger</td>
<td>Professor</td>
<td>---</td>
<td>----</td>
<td></td>
</tr>
<tr>
<td>341</td>
<td>38</td>
<td>Smith</td>
<td>Asst. Prof.</td>
<td>.50</td>
<td>Schneider</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>.25</td>
<td>Holcomb</td>
<td></td>
</tr>
<tr>
<td>342</td>
<td>24</td>
<td>Lyman</td>
<td>Professor</td>
<td>.50</td>
<td>Hall</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>.50</td>
<td>Margulies</td>
<td></td>
</tr>
<tr>
<td>343</td>
<td>29</td>
<td>Slichter</td>
<td>Professor</td>
<td>.50</td>
<td>Kuehne</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>.50</td>
<td>Holton</td>
<td></td>
</tr>
<tr>
<td>372</td>
<td>55</td>
<td>Almy</td>
<td>Prof. &amp; Assoc. Hhd.</td>
<td>.25</td>
<td>Simmons, W.W.</td>
<td></td>
</tr>
<tr>
<td>374</td>
<td>40</td>
<td>Rawcliffe</td>
<td>Asst. Prof.</td>
<td>.50</td>
<td>Dillman</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>.50</td>
<td>Wyatt</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>.50</td>
<td>Kloeppel</td>
<td></td>
</tr>
<tr>
<td>403-4</td>
<td>5</td>
<td>Frauenfelder</td>
<td>Asst. Prof.</td>
<td>.50</td>
<td>Peacock</td>
<td></td>
</tr>
<tr>
<td>422</td>
<td>28</td>
<td>Chew</td>
<td>Professor</td>
<td>.25</td>
<td>Greenberger</td>
<td></td>
</tr>
<tr>
<td>442</td>
<td>28</td>
<td>Low</td>
<td>Assoc. Prof.</td>
<td>.25</td>
<td>Franklin</td>
<td></td>
</tr>
<tr>
<td>463</td>
<td>14</td>
<td>Seitz</td>
<td>Professor</td>
<td>.25</td>
<td>Lewis</td>
<td></td>
</tr>
<tr>
<td>482</td>
<td>5</td>
<td>Feingold</td>
<td>Asst. Prof.</td>
<td>---</td>
<td>----</td>
<td></td>
</tr>
<tr>
<td>484</td>
<td>12</td>
<td>Hill</td>
<td>Professor</td>
<td>.25</td>
<td>Miller, R.C.</td>
<td></td>
</tr>
<tr>
<td>486</td>
<td>24</td>
<td>Weneser</td>
<td>Asst. Prof.</td>
<td>.25</td>
<td>Fuchs</td>
<td></td>
</tr>
<tr>
<td>490</td>
<td>14</td>
<td>Koehler</td>
<td>Professor</td>
<td>.25+</td>
<td>Bauerle</td>
<td></td>
</tr>
<tr>
<td>436c</td>
<td>5</td>
<td>Maurer</td>
<td>Professor</td>
<td>---</td>
<td>----</td>
<td></td>
</tr>
<tr>
<td>493</td>
<td>52</td>
<td></td>
<td></td>
<td>---</td>
<td>----</td>
<td></td>
</tr>
<tr>
<td>498</td>
<td>2</td>
<td></td>
<td></td>
<td>---</td>
<td>----</td>
<td></td>
</tr>
<tr>
<td>435</td>
<td>6</td>
<td>Bardeen</td>
<td>Professor</td>
<td>---</td>
<td>----</td>
<td></td>
</tr>
</tbody>
</table>
DEGREES CONFERRED

June 1955

Ph.D. in Physics

Walter Dale Compton
Solomon Gartenhaus
Frederick Harvey Giles
John William Kauffman
Alan Birk Kuper
Don Bernett Lichtenberg
Frederick Eugene Mills, III
Robert Alan Reitz
George Albert Russell

B.S. in Engineering Physics

Bernard Irwin Bayer
Arthur Lloyd Eggers
William John Fanning
Eugene Lyle Hubbard
Ronald Grant Lambert
Arthur Charles Lind
Richard David Luders
Kenneth Rose
Robert Alfred Stein

M.S. in Physics

Reuben William Aboudi
Alan Blankfield
Carl Nelson Cederstrand
Adrian Vaughn Clark
Mary Elizabeth Cunningham
Gloria Winkel deWit
Ronald Fuchs
Lorenzo Philip Greene
Howard Roscoe Hart
David William Lynch
Robert Lee Mieher
Tau Chien Tang

M.S. in Physics (LAS)

B.S. in Physics (LAS)

August 1955

James Thomas Ephgrave
Eberhard Georg Goeler v. Ravensburg
James Sheridan O'Connell
Morikazu Shikata

M.S. in Physics

Robert Lewis Kloster
Richard Leo Linster
Megumu Yoshimine

B.S. in Teaching of Physics (LAS)

Jennis Joseph Bapst

October 1955

Ph.D. in Physics

Richard Robb Hake
Bland Bryan Houston
Alan Scardeburg Penfold
Robert Thornton Schumacher
Stanley Henry Vegors, Jr.
February 1956

**Ph.D. in Physics**

- Mark Quayle Barton
- Daniel Newson Beshers
- Roy Nilson

**B.S. in Engineering Physics**

- Peter Anthony Minerva
- Charles Lubomir Rohel
- George Zdenek Rohel

**B.S. in Physics (LAS)**

- Edward Robert Flynn
- Carl Arthur Crother
- Thomas Junior Skinner
- Vytautas Paul Vadopalas
- Duane Stanley Steidinger

**M.S. in Physics**

- Dwight Comber Burnham
- Paul Richard Cheever
- Roy Merton Emrick
- David Eugene Frederick
- Lloyd J. Hendricks
- Richard Warfield Henry
- Sheldon Lee Kahalas
- Herbert Wayne Kuehne
- Marcia MacDonald
- Frank Elbert Martin
- William Lenox Perkins
- Ronald Glenn Peterson
- Camden Ballard Pierce
- LeRoy Carwile Stables
- Ronald Francis Stauder
- Carl Frank Stocker
- Jack Donald Ullman
- Philip Joseph Wyatt

June 1956

**Ph.D. in Physics**

- Russell Carl Casella
- Richard Bertram Curtis
- Jerrold Franklin
- David Francis Griffing
- Walter Ashley Harrison
- James Wedd Henderson
- Cleon Alvin Mackliet
- Samuel Penner
- John Oliver Thomson

**M.S. in Physics**

- Grenfell Paul Boicourt
- Daniel Mordecai Greenberger
- Roland Clements Hanson
- Samuel Melvin Harris
- William Coffeen Holton
- Richard Leo Linster
- Jefferson Frederick Newton
- Thomas George Nilan
- Florian Richard Nykiel
- Irwin Schneider
- John Henry Warren

**B.S. in Engineering Physics**

- John Anderson
- George Thomas Condo
- Stephen Dudley Davis
- Ronald Lester Easley
- Harvey Marshall Endler
- Arthur Harris
- Thomas Stanley Hartwick
- Eugene Michael Henry
- Phillip Harvey Kier
- Donald Arthur Lee
- Robert Thomas McCal
- John Francis Mester
- Guideon Newmark
- Robert Gordon Polk
- Wayne Augustus Rhoades
- Martin Alexander Robertson
- John Henry Roecker
- Robert Foss Seymour
- Ronald Joseph Swallow
- Clyde Lovette Sydnor

**B.S. in Physics (LAS)**

- Jim Byars Carroll
- Ruth Fleischmann Weiner
- Carl Arthur Crother
Physics Department Committees 1955-56
(First named is chairman)

Advisory
(chairman to be elected by committee)
- Goldwaßer, E.L.
- Mapother, D.E.
- Sherwin, C.W.
- Chew, G.F.

Assts. and Fellows
- Almy, G.M.
- Becker, R.A.
- Paton, R.F.
- Robinson, C.S.
- Sherwin, C.W.

Building and Power
- Maurer, R.J.
- Ascoli, G.
- Rawcliffe, R.D.
- Flora, R.F.

Graduate Studies and Exams
- Almy, G.M.
- Chew, G.F.
- Hill, R.D.
- Maurer, R.J.
- Snyder, J.N.

Undergraduate Studies
- Slichter, C.P.
- Lyman, E.M.
- Bardeen, J.
- Kruger, P.G.
- Longacre, A.

Engineering Physics
- Lyman, E.M.
- Allen, J.S.
- Becker, R.A.
- Smith, J.H.

LAS Physics and Teacher Training
- Paton, R.F.
- Slichter, C.P. (Curriculum in Physics)

Colloquium
- Chew, G.F.
- Seitz, F.
- Jentschke, W.K.

Seminars
- Betatron: Koester, L.J.
- Nuclear: Feingold, A.M.
- Solids: Blatt, F.J.
- Theory: Low, F.E.

Foreign Languages
- Kruger, P.G. (German)
- Low, F.E. (French)

Library
- Chew, G.F.
- Hill, R.D.
- Maurer, R.J.
- Koehler, J.S.
- Low, F.E.

Schedules
- Paton, R.F.
- Wheatley, J.C.

Placement
- Becker, R.A.

Open House and Physics Club
- Sherwin, C.W.
- John, W.
- Lavatelli, L.S.
- Smith, J.H.
- Wheatley, J.C.

Social
- Lavatelli, L.S.
- Duffield, R.B.
- Koester, L.J.

Computing Service
- Snyder, J.N.

Machine Shops and Drafting
- Mapother, D.E.
- Allen, J.S.
- Flora, R.F.

Electronics Shop
- Allen, J.S.

Chemistry Lab.
- Frauenfelder, H.

Radioactive Records and Protection
- Jentschke, W.K.
- Tomizuka, C.T.
Physics Colloquia
September 1955 - June 1956

Room: 100 P.L.
Time: 4:45 P.M.

September 22, 1955: Professor Arnold Feingold, "Tensor Forces and the Level Structure of Light Nuclei."


October 13, 1955: Dr. J. C. Wheatley, "Circular Polarization of Gamma Rays from Polarized Nuclei."


October 27, 1955: Professor Leo S. Lavatelli, "A Control System for Multi-Plane Tactical Air Operations."

November 3, 1955: Dr. William D. Walker, University of Wisconsin, "Interactions of High Energy Pi-Mesons."

November 10, 1955: Dr. M. R. Schafroth, University of Sydney, Sydney, Australia, "Bose Condensation and Superconductivity."

November 28, 1955: Dr. Luis Alvarez, University of California, Berkeley, "Recent Bevatron Experiments."

December 1, 1955: Dr. Maurice Levy, Institute for Advanced Study, "Relations Among Elementary Particles."


December 15, 1955: Dr. Hake, "High Pressure Experiments on Superconductors."

December 19, 1955: Dr. Sherman Frankel, University of Pennsylvania, "Angular Correlation Measurements Involving Conversion Electrons."

January 11, 1956: Dr. Severin Amelinckx, University of Ghent, Belgium, "Crystal Growth and Dislocations."

January 19, 1956: Dr. John G. Daunt, Ohio State University, "Properties of Liquid He³."
February 16, 1956: Professor John Bardeen, "Progress in the Theory of Superconductivity."

February 23, 1956: Professor P. G. Kruger, "MURA Accelerator Developments."

March 1, 1956: Professor R. D. Hill, "Anti-protons."

March 29, 1956: Dr. H. M. Mott-Smith, Nordeen Laboratory Corp., White Plains, New York, "New Results on the Kinetic Theory of Gases at Low Density."

April 12, 1956: Dr. W. Thirring, University of Bern, "Renormalization of Relativistic Field Theories."

April 19, 1956: Professor Edward P. Ney, University of Minnesota, "Recent Cosmic Ray Experiments."

May 3, 1956: Professor Linus Pauling, California Institute of Technology, "Intermolecular Forces."


May 24, 1956: Dr. Andrew Sessler, "The Acceleration of Particles in Fixed Accelerators."
Nuclear Seminars
September 1955 - June 1956
Room: 119 P.L.
Time: 3:00 P.M.

September 22, 1955: Professor R. D. Hill, "Recent Developments in High Energy Physics."

September 29, 1955: Professor G. Bernardini, "Latest Information About Classic Pion Physics."

October 6, 1955: Professor Arnold Feingold, "Further Remarks on the Tensor Force."

October 13, 1955: Professor R. B. Duffield, "The Decay Scheme of Cs138."

October 20, 1955: Dr. Walter John, "Excitation Functions for (α, xn) Reactions and the Compound Nucleus Theory."

October 24, 1955: Professor M. S. Santos, University of Sao Paulo, "Threshold Measurements for some (γ, n) Processes."


December 1, 1955: Professor R. D. Hill, "The 'Curious' Particles", Part III.


December 15, 1955: Professor E. L. Goldwasser, "Photoproduction of Neutral Pions from Helium."

January 12, 1956: Professor James S. Allen, "Decade Counting Tubes and Multi Channel Pulse Height Analyzers."

January 19, 1956: Professor James S. Allen, "Multi-channel Pulse Size Analyzers."

January 26, 1956: Professor Owen Chamberlin, University of California, "Detection of Anti-Protons."
January 26, 1956: Professor Owen Chamberlin, University of California, "Detection of Anti-Protons."

February 16, 1956: Professor Hans Frauenfelder, "Decay of Co$^{58}\text{.}"

February 23, 1956: Professor J. Weneser, "The System of Even-even Nuclei."

March 1, 1956: Professor J. Weneser, "Theory of Even-even Nuclei, continued"

March 15, 1956: Professor J. Weneser, "Theory of Even-even Nuclei - Part III."


April 19, 1956: Professor E. L. Goldwasser, "Rochester Conference - Continued."

May 3, 1956: Professor Joseph Weneser, "Theory of Even-even Nuclei - Conclusion."


May 17, 1956: Professor A. M. Feingold, "Intermediate Coupling Model - Conclusion."
Solid State Seminars  
September 1955 - June 1956  
Room: 119 P.L.  
Time: 1:00 P.M.

September 30, 1955: Professor John Reitz, Case Institute, "Solids Research at Case Institute."
October 7, 1955: Mr. D. N. Beshers, "Dislocation Damping in Copper."
October 14, 1955: Dr. G. Dresselhaus, "Cyclotron Resonance on Warped Spherical Energy Surfaces."
October 21, 1955: Professor Frederick C. Brown, "Electronic Properties of Silver Chloride."
October 28, 1955: Dr. Severin Amelinckx, University of Ghent, Belgium, "Direct Observation of Dislocations."
November 4, 1955: Dr. Pierre Aigrain, Ecole Normale, "Research at Ecole Normale."
November 11, 1955: Dr. Boudewijn Okkerse, "Self-Diffusion in Lead."
November 18, 1955: Dr. Hugo Ruchardt, Cornell University, "X-Ray Influence on Lattice Disorder in Alkali Halides."
December 2, 1955: Dr. Elihu Abrahams, "Exchange Coupling in Ferromagnetics."
December 9, 1955: Dr. C. W. McCombe, "Vibrations at Imperfections."
December 16, 1955: Professor H. Y. Fan, Purdue University, a) "Infrared Properties of InSb." b) "Microwave Properties of Germanium."
January 6, 1956: Dr. Wilfred Palmer, "X-Ray Absorption Spectroscopy of the Solid State."
February 10, 1956: Professor W. Tanttila, Michigan State University, "Influence of Ultrasonic Energy on the Relaxation of Chlorine Nuclei in Sodium Chloride."
February 17, 1956: Professor Charles Wert, "Internal Friction Associated with Short Range Order."
February 24, 1956: Dr. Franco Bassani and/or Prof. R. M. Thomson, "Pinning of Dislocations in Sodium Chloride."
March 2, 1956: Mr. George Baker, "Internal Friction in Aluminum, Copper and Lead."
March 9, 1956: Professor F. J. Blatt, "Difficulties in the Interpretation of Resistance Change due to Cold Work."

March 23, 1956: W. A. Harrison, "Scattering of Electrons by Lattice Vibrations."


April 13, 1956: Dr. Walter Kohn, Carnegie Institute of Technology, "Structure of Acceptor States in Germanium and Silicon."

April 20, 1956: Dr. O. J. Kleppa, University of Chicago, "Equilibrium Properties of Binary Metallic Solutions."

April 27, 1956: Russell Casella, "The Halogen Band in NaCl."

May 4, 1956: Dr. H. Fritzsche, Purdue University, "Impurity Band Conduction in Semiconductors."

May 11, 1956: T. G. Castner, "Electron Spin Resonance from V Centers."

May 18, 1956: Dr. Paul Handler, "Properties of Very Clean Germanium Surfaces."

<table>
<thead>
<tr>
<th>Name</th>
<th>Rank</th>
<th>University</th>
<th>Univ. Tels.</th>
<th>Home Tel.</th>
<th>Local Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>*Adams, Elihu</td>
<td>R. Asst. Prof.</td>
<td>414PL</td>
<td>2680</td>
<td>7-5581</td>
<td>1102 W.Oregon, U</td>
</tr>
<tr>
<td>*Allen, J.S.</td>
<td>Professor</td>
<td>411PL</td>
<td>2680</td>
<td>7-3381</td>
<td>509 W.Penn., U</td>
</tr>
<tr>
<td>*Almy, G.M.</td>
<td>Assoc. Head</td>
<td>205PL</td>
<td>2121</td>
<td>6-7497</td>
<td>55 Greencroft, C</td>
</tr>
<tr>
<td>*Ascoli, Giulio</td>
<td>Assoc. Prof.</td>
<td>306PL</td>
<td>2308</td>
<td>6-8278</td>
<td>507 E.Daniel, C</td>
</tr>
<tr>
<td>*Axel, Peter</td>
<td>Assoc. Prof.</td>
<td>406PL</td>
<td>2131</td>
<td>7-5101</td>
<td>1009 W.Clark, C</td>
</tr>
<tr>
<td>*Bardeen, John</td>
<td>Assoc. Prof.</td>
<td>106PL</td>
<td>2117</td>
<td>7-5101</td>
<td>701 Haines Blvd.</td>
</tr>
<tr>
<td>*Bartlett, J.H.</td>
<td>Professor</td>
<td>18PL</td>
<td>2117</td>
<td>6-7497</td>
<td>1404 Greenbrier Dr., C</td>
</tr>
<tr>
<td>*Bassani, G.F.</td>
<td>Assoc. Prof.</td>
<td>205PL</td>
<td>2308</td>
<td>7-5101</td>
<td>146 Fairlawn Dr., U</td>
</tr>
<tr>
<td>*Becker, R.A.</td>
<td>Professor</td>
<td>307PL</td>
<td>2866</td>
<td>6-8278</td>
<td>204 W.Penn., U</td>
</tr>
<tr>
<td>*Bernardini, G.</td>
<td>Assoc. Prof.</td>
<td>205PRL</td>
<td>2526</td>
<td>5-1990</td>
<td>707 W.Iowa, U</td>
</tr>
<tr>
<td>*Blatt, F.J.</td>
<td>Professor</td>
<td>41PL</td>
<td>2680</td>
<td>6-8278</td>
<td>425 Fairlawn Dr., U</td>
</tr>
<tr>
<td>*Brown, F.C.</td>
<td>Assoc. Prof.</td>
<td>306PL</td>
<td>2308</td>
<td>6-8278</td>
<td>310 Flora Dr., C</td>
</tr>
<tr>
<td>*Chew, G.F.</td>
<td>Professor</td>
<td>308PL</td>
<td>2307</td>
<td>6-8278</td>
<td>205 W.Delaware, U</td>
</tr>
<tr>
<td>*Chiarotti, G.</td>
<td>Assoc. Prof.</td>
<td>311PL</td>
<td>3167</td>
<td>6-3502</td>
<td>507 E.Daniel, C</td>
</tr>
<tr>
<td>*Cole, F.T.</td>
<td>Asst. Prof.</td>
<td>1203</td>
<td>3473</td>
<td>7-2660</td>
<td>1735 W.Haven Dr., C</td>
</tr>
<tr>
<td>*Cooper, L.N.</td>
<td>Professor</td>
<td>307PL</td>
<td>2119</td>
<td>7-6472</td>
<td>309 N.Edwin, C</td>
</tr>
<tr>
<td>*Curts, R.B.</td>
<td>Instructor</td>
<td>321bPL</td>
<td>2295</td>
<td>7-5603</td>
<td>1-40-A Stad.Terr., C</td>
</tr>
<tr>
<td>*Duffield, R.</td>
<td>Assoc. Prof.</td>
<td>300PL</td>
<td>2526</td>
<td>6-3206</td>
<td>808 W.Oregon, U</td>
</tr>
<tr>
<td>*Feingold, A.M.</td>
<td>Assoc. Prof.</td>
<td>300PL</td>
<td>2526</td>
<td>6-7986</td>
<td>402 S.Race, U</td>
</tr>
<tr>
<td>*Filosofo, Italo</td>
<td>Professor</td>
<td>308PRL</td>
<td>2307</td>
<td>7-7987</td>
<td>612 W.Nevada, U</td>
</tr>
<tr>
<td>*Frauenfelder, H.</td>
<td>Assoc. Prof.</td>
<td>405PL</td>
<td>409</td>
<td>6-6769</td>
<td>1241 W.Church, C</td>
</tr>
<tr>
<td>*Goldwasser, E.L.</td>
<td>Assoc. Prof.</td>
<td>306PL</td>
<td>2308</td>
<td>6-6979</td>
<td>1404 Greenbrier Dr., C</td>
</tr>
<tr>
<td>*Gonser, Ulrich</td>
<td>Assoc. Prof.</td>
<td>207PL</td>
<td>414PL</td>
<td>6-1539</td>
<td>1106 S.Eulclid, C</td>
</tr>
<tr>
<td>*Haber-Schaim, U.</td>
<td>Assoc. Prof.</td>
<td>310PL</td>
<td>2323</td>
<td>6-1261</td>
<td>907 E.Washington, U</td>
</tr>
<tr>
<td>*Hake, R.R.</td>
<td>Professor</td>
<td>409PL</td>
<td>2668</td>
<td>7-9869</td>
<td>1108 W.Washington, C</td>
</tr>
<tr>
<td>*Hanson, A.O.</td>
<td>Assoc. Prof.</td>
<td>106PL</td>
<td>2117</td>
<td>7-4611</td>
<td>808 W.Church, C</td>
</tr>
<tr>
<td>*Hill, R.D.</td>
<td>Professor</td>
<td>306PL</td>
<td>2308</td>
<td>6-6603</td>
<td>4-14927</td>
</tr>
<tr>
<td>*Hulsizer, R.I.</td>
<td>Professor</td>
<td>109PL</td>
<td>3108</td>
<td>6-1679</td>
<td>612 W.Nevada, U</td>
</tr>
<tr>
<td>*Inchuspe, N.</td>
<td>Assoc. Prof.</td>
<td>106PL</td>
<td>2117</td>
<td>7-1261</td>
<td>1241 W.Church, C</td>
</tr>
<tr>
<td>*Jentschke, W.K.</td>
<td>Assoc. Prof.</td>
<td>311PL</td>
<td>3167</td>
<td>6-3502</td>
<td>1404 Greenbrier Dr., C</td>
</tr>
<tr>
<td>*Johnsson, S.D.</td>
<td>Professor</td>
<td>310PL</td>
<td>3167</td>
<td>6-3502</td>
<td>1106 S.Eulclid, C</td>
</tr>
<tr>
<td>*John, Walter</td>
<td>Professor</td>
<td>409PL</td>
<td>3167</td>
<td>6-1261</td>
<td>907 E.Washington, U</td>
</tr>
<tr>
<td>*Kahn, Arnold H.</td>
<td>Professor</td>
<td>310PL</td>
<td>3167</td>
<td>6-1261</td>
<td>1108 W.Washington, C</td>
</tr>
<tr>
<td>*Kerst, D.W.</td>
<td>Professor</td>
<td>310PL</td>
<td>3167</td>
<td>6-1261</td>
<td>808 W.Church, C</td>
</tr>
<tr>
<td>*Koehler, J.S.</td>
<td>Asst. Prof.</td>
<td>412PL</td>
<td>3473</td>
<td>6-3429</td>
<td>507 S.Willis, C</td>
</tr>
<tr>
<td>*Koester, L.J.</td>
<td>Professor</td>
<td>412PL</td>
<td>3473</td>
<td>6-3429</td>
<td>917 W.Church, C</td>
</tr>
<tr>
<td>*Kruger, P.G.</td>
<td>Assoc. Prof.</td>
<td>205PRL</td>
<td>2526</td>
<td>6-1990</td>
<td>706 Richard's Lane, C</td>
</tr>
<tr>
<td>*Laslett, J.D.</td>
<td>Assoc. Prof.</td>
<td>210PRL</td>
<td>2526</td>
<td>6-1990</td>
<td>914 W.Union, C</td>
</tr>
<tr>
<td>*Lavatelli, L.S.</td>
<td>Assoc. Prof.</td>
<td>306PL</td>
<td>109PL</td>
<td>7-1285</td>
<td>402 W.Michigan, U</td>
</tr>
<tr>
<td>*Lazarus, David</td>
<td>Professor</td>
<td>358ERL</td>
<td>358ERL</td>
<td>6-1222</td>
<td>1206 S.Elm, C</td>
</tr>
<tr>
<td>*Longacre, Andrew</td>
<td>Dept. Head</td>
<td>205PL</td>
<td>2611</td>
<td>6-1990</td>
<td>909 W.Hill, C</td>
</tr>
<tr>
<td>*Loomis, F.W.</td>
<td>Director CSL</td>
<td>256ERL</td>
<td>206</td>
<td>6-1990</td>
<td>816 W.Hill, C</td>
</tr>
<tr>
<td>*Low, Francis E.</td>
<td>Assoc. Prof.</td>
<td>304PL</td>
<td>2526</td>
<td>6-1990</td>
<td>808 W.Church, C</td>
</tr>
<tr>
<td>*Lyman, E.M.</td>
<td>Professor</td>
<td>210PRL</td>
<td>2526</td>
<td>6-1990</td>
<td>4-1990</td>
</tr>
<tr>
<td>*Mapother, D.E.</td>
<td>Assoc. Prof.</td>
<td>412PL</td>
<td>3473</td>
<td>6-1990</td>
<td>1009 S.Orchard, C</td>
</tr>
<tr>
<td>*Maurer, R.J.</td>
<td>Assoc. Prof.</td>
<td>412PL</td>
<td>3473</td>
<td>6-1990</td>
<td>808 S.Foley, C</td>
</tr>
<tr>
<td>*McCombie, C.W.</td>
<td>Assoc. Prof.</td>
<td>412PL</td>
<td>3473</td>
<td>6-1990</td>
<td>509 W.Iowa, U</td>
</tr>
<tr>
<td>*Magher, R.E.</td>
<td>Assoc. Prof.</td>
<td>412PL</td>
<td>3473</td>
<td>6-1990</td>
<td>105 S.McCullough, U</td>
</tr>
<tr>
<td>*Nordsieck, A.T.</td>
<td>Professor</td>
<td>168ERL</td>
<td>2816</td>
<td>5950</td>
<td>206 S.Fair, C</td>
</tr>
<tr>
<td>*Odian, A.C.</td>
<td>Professor</td>
<td>300PRL</td>
<td>2526</td>
<td>6-7653</td>
<td>703 W.Nevada, U</td>
</tr>
</tbody>
</table>

*Senior Staff Directory*
<table>
<thead>
<tr>
<th>Name</th>
<th>Rank</th>
<th>University</th>
<th>Univ. Tels.</th>
<th>Home Tel.</th>
<th>Local Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>Auerbach, L.B.</td>
<td>R. Asst.</td>
<td>210PRL</td>
<td>-</td>
<td>2526</td>
<td>7-1091</td>
</tr>
<tr>
<td>Bauerle, James</td>
<td>R. Asst.</td>
<td>3PL</td>
<td>3175</td>
<td>3175</td>
<td>7-3149</td>
</tr>
<tr>
<td>Baum, Paul M.</td>
<td>Tch. Asst.</td>
<td>302PPL</td>
<td>-</td>
<td>2306</td>
<td>2316</td>
</tr>
<tr>
<td>Beatty, P.H.</td>
<td>Tch. Asst.</td>
<td>206PPL</td>
<td>-</td>
<td>2456</td>
<td>7-3707</td>
</tr>
<tr>
<td>Bechler, R.E.</td>
<td>Tch. Asst.</td>
<td>302PPL</td>
<td>-</td>
<td>2306</td>
<td>7-3149</td>
</tr>
<tr>
<td>Blatchley, D.E.</td>
<td>Tch. Asst.</td>
<td>321PPL</td>
<td>-</td>
<td>2294</td>
<td>7-3852</td>
</tr>
<tr>
<td>Blum, Haywood</td>
<td>Tch. Asst.</td>
<td>314PPL</td>
<td>-</td>
<td>2296</td>
<td>7-3150</td>
</tr>
<tr>
<td>Boicourt, G.P.</td>
<td>Tch. Asst.</td>
<td>302PPL</td>
<td>-</td>
<td>2306</td>
<td>7-3150</td>
</tr>
<tr>
<td>Bredt, J.H.</td>
<td>R. Asst.</td>
<td>3PL</td>
<td>3175</td>
<td>2314</td>
<td>7-3150</td>
</tr>
<tr>
<td>Burnam, R.L.</td>
<td>Tch. Asst.</td>
<td>110PPL</td>
<td>-</td>
<td>2118</td>
<td>6-6380</td>
</tr>
<tr>
<td>Burnham, D.C.</td>
<td>Ill. Fel.</td>
<td>321PPL</td>
<td>-</td>
<td>2294</td>
<td>7-9795</td>
</tr>
<tr>
<td>Carrigan, R.A.</td>
<td>Tch. Asst.</td>
<td>321PPL</td>
<td>-</td>
<td>2294</td>
<td>7-9795</td>
</tr>
<tr>
<td>Casella, R.C.</td>
<td>Horizons Fel.</td>
<td>321BPL</td>
<td>-</td>
<td>2295</td>
<td>4-64854</td>
</tr>
<tr>
<td>Castner, T.G.</td>
<td>Gulf Fel.</td>
<td>407PPL</td>
<td>-</td>
<td>2313</td>
<td>6-6257</td>
</tr>
<tr>
<td>Christensen, C.H.</td>
<td>Tch. Asst.</td>
<td>314BPL</td>
<td>-</td>
<td>2296</td>
<td>6-6228</td>
</tr>
<tr>
<td>Cooper, R.S.</td>
<td>R. Asst.</td>
<td>103PPL</td>
<td>103PPL</td>
<td>2531</td>
<td>7-4151</td>
</tr>
<tr>
<td>Crew, J.E.</td>
<td>R. Asst.</td>
<td>108PPL</td>
<td>111PPL</td>
<td>3287</td>
<td>7-9418</td>
</tr>
<tr>
<td>Cunningham, Mary</td>
<td>Tch. Asst.</td>
<td>314BPL</td>
<td>-</td>
<td>2296</td>
<td>7-9418</td>
</tr>
<tr>
<td>Decker, D.L.</td>
<td>R. Asst.</td>
<td>409PPL</td>
<td>107PPL</td>
<td>3109</td>
<td>6-9623</td>
</tr>
<tr>
<td>DePasquale, G.</td>
<td>R. Asst.</td>
<td>109BPL</td>
<td>-</td>
<td>2734</td>
<td>4-4875</td>
</tr>
<tr>
<td>Dewit, Gloria W.</td>
<td>Tch. Asst.</td>
<td>314BPL</td>
<td>-</td>
<td>2296</td>
<td>3-2757</td>
</tr>
<tr>
<td>Diamond, Sidney</td>
<td>Tch. Asst.</td>
<td>217TB</td>
<td>155Min</td>
<td>2528</td>
<td>6-9228</td>
</tr>
<tr>
<td>Dillman, L.T.</td>
<td>Tch. Asst.</td>
<td>321PPL</td>
<td>-</td>
<td>2294</td>
<td>4-6854</td>
</tr>
<tr>
<td>Doyama, Masao</td>
<td>R. Asst.</td>
<td>-</td>
<td>17P</td>
<td>3166</td>
<td>J-23-C Stad.Terr., C</td>
</tr>
<tr>
<td>Eatherly, W.P.</td>
<td>NSF Fel.</td>
<td>321bPPL</td>
<td>321bPPL</td>
<td>2295</td>
<td>1102 W.Springfield, U</td>
</tr>
<tr>
<td>Emmick, Roy M.</td>
<td>Tch. Asst.</td>
<td>302PPL</td>
<td>-</td>
<td>2306</td>
<td>7-1904</td>
</tr>
<tr>
<td>Estle, Thomas L.</td>
<td>R. Asst.</td>
<td>108PPL</td>
<td>108PPL</td>
<td>-</td>
<td>7-1861</td>
</tr>
<tr>
<td>Flinner, Jack L.</td>
<td>Tch. Asst.</td>
<td>302PPL</td>
<td>104PRL</td>
<td>2306</td>
<td>7-1214</td>
</tr>
<tr>
<td>Fox, John D.</td>
<td>NSF Fel.</td>
<td>102PPL</td>
<td>124PRL</td>
<td>2116</td>
<td>7-9880</td>
</tr>
<tr>
<td>Franklin, Jerrold</td>
<td>R. Asst.</td>
<td>321bPPL</td>
<td>321bPPL</td>
<td>2295</td>
<td>7-4219</td>
</tr>
<tr>
<td>Frederick, D.E.</td>
<td>Tch. Asst.</td>
<td>302PPL</td>
<td>-</td>
<td>2306</td>
<td>7-3289</td>
</tr>
<tr>
<td>Fuchs, Ronald</td>
<td>Tch. Asst.</td>
<td>321bPPL</td>
<td>-</td>
<td>2295</td>
<td>7-3289</td>
</tr>
<tr>
<td>Goeler, Eberhard</td>
<td>R. Asst.</td>
<td>209PPL</td>
<td>209PPL</td>
<td>2780</td>
<td>8670</td>
</tr>
<tr>
<td>Gove, N.B.</td>
<td>R. Asst.</td>
<td>-</td>
<td>218PRL</td>
<td>2526</td>
<td>6-8482</td>
</tr>
<tr>
<td>Greenberger, D.M.</td>
<td>Tch. Asst.</td>
<td>321bPPL</td>
<td>-</td>
<td>2295</td>
<td>7-7659</td>
</tr>
<tr>
<td>Griffith, D.F.</td>
<td>R. Asst.</td>
<td>108PPL</td>
<td>113PPL</td>
<td>-</td>
<td>7-4577</td>
</tr>
<tr>
<td>Hall, Harold E.</td>
<td>Tch. Asst.</td>
<td>110PPL</td>
<td>-</td>
<td>2118</td>
<td>7-4677</td>
</tr>
<tr>
<td>Hamerly, R.G.</td>
<td>Tch. Asst.</td>
<td>206PPL</td>
<td>-</td>
<td>2456</td>
<td>7-5157</td>
</tr>
<tr>
<td>Hanson, R.C.</td>
<td>NSF Fel.</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Harris, S.M.</td>
<td>NSF Fel.</td>
<td>110PPL</td>
<td>-</td>
<td>2118</td>
<td>7-6227</td>
</tr>
<tr>
<td>Harrison, W.A.</td>
<td>NSF Fel.</td>
<td>321bPPL</td>
<td>-</td>
<td>2295</td>
<td>7-8538</td>
</tr>
<tr>
<td>Hart, H.R., Jr.</td>
<td>Ill. Fel.</td>
<td>108PPL</td>
<td>-</td>
<td>2306</td>
<td>7-3518</td>
</tr>
<tr>
<td>Hebel, L.C.</td>
<td>GE Fel.</td>
<td>401PPL</td>
<td>407PPL</td>
<td>3213</td>
<td>6-5278</td>
</tr>
<tr>
<td>Hendricks, L.J.</td>
<td>R. Asst.</td>
<td>220PRL</td>
<td>220PRL</td>
<td>2526</td>
<td>6-5278</td>
</tr>
<tr>
<td>Henry, R.W.</td>
<td>R. Asst.</td>
<td>-</td>
<td>218PRL</td>
<td>2526</td>
<td>7-8107</td>
</tr>
<tr>
<td>Herndon, Roy C.</td>
<td>R. Asst.</td>
<td>321PPL</td>
<td>-</td>
<td>2294</td>
<td>7-8581</td>
</tr>
<tr>
<td>Herrmannsfeldt, W.</td>
<td>R. Asst.</td>
<td>NRL</td>
<td>2113</td>
<td>2113</td>
<td>6-6297</td>
</tr>
<tr>
<td>Hobart, Robert</td>
<td>Tch. Asst.</td>
<td>314bPPL</td>
<td>-</td>
<td>2296</td>
<td>7-4564</td>
</tr>
<tr>
<td>Holcomb, R.H.</td>
<td>Tch. Asst.</td>
<td>110PPL</td>
<td>-</td>
<td>2118</td>
<td>-</td>
</tr>
<tr>
<td>Holzman, Robert</td>
<td>Tch. Asst.</td>
<td>314bPPL</td>
<td>-</td>
<td>2296</td>
<td>-</td>
</tr>
<tr>
<td>Iben, Icko, Jr.</td>
<td>Tch. Asst.</td>
<td>316PPL</td>
<td>316PPL</td>
<td>2840</td>
<td>6-8482</td>
</tr>
<tr>
<td>Name</td>
<td>Position</td>
<td>Address</td>
<td>City, State, U</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-----------------------</td>
<td>----------------</td>
<td>-------------</td>
<td>----------------------</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Jackson, J.J.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Jones, Roger S.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>*Juveland, Allan</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>*Cineur, C.R.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>*Kennedy, H.W.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>*KloeppeL, P.K.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>*Kuehne, H.W.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>*Larson, Alan V.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>*Laurence, Neal</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>*Levine, Nathan</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lewis, H.R., Jr.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>*Lynch, David W.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>*MacDonald, Marcia</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>*Mackliet, C.A.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>*Magnuson, G.D.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>*Malmberg, J.H.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>*VanHeyningen, R.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>*Miller, Allan S.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Miller, R.C.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>*Millsman, R.A.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>*Morgan, Jane V.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>*Mullen, James G.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>*Oberholtzer, J.D.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>*O'Connell, J.S.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mohkawa, Tihiro</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>*Otter, F.A., Jr.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Peacock, R.N.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>*Penner, Samuel</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pierce, C.E.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>*Robinson, G.A.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>*Runkel, Margaret</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>*Rogers, K.T.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>*Rosenfeld, W.H.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Schneider, Irwin</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>*Schoen, A.H.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SchrieffeR, J.R.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shaw, Roger W.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>*Simmons, R.O.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>*Simmons, W.W.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Singer, Sidney</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>*Spokas, John J.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Stajdohar, R.E.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>*Steerman, J.J.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>*Stoppini, Gherardo</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>*Tang, Y.C.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tausig, Sandra</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Thomson, John O.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tipler, P.A.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>*Tucker, R.F., Jr.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>VanHeyningen, R.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>321PL</td>
<td></td>
<td>2294</td>
<td>7-3158</td>
<td></td>
<td></td>
</tr>
<tr>
<td>302PL</td>
<td></td>
<td>2306</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>R.Ast.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tch., Asst.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>314bPL</td>
<td></td>
<td>2296</td>
<td>7-2862</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tch., Asst.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>314bPL</td>
<td></td>
<td>2296</td>
<td>7-1904</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tch., Asst.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>313PL</td>
<td></td>
<td>2294</td>
<td>7-1347</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tch., Asst.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>321PL</td>
<td></td>
<td>2294</td>
<td>7-5202</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ILL,Fel.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NSF Fel.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>104PL</td>
<td></td>
<td>1049</td>
<td>7-2715</td>
<td></td>
<td></td>
</tr>
<tr>
<td>104PL</td>
<td></td>
<td>3214</td>
<td>6-5104</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tch., Asst.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>321bPL</td>
<td></td>
<td>2295</td>
<td>2933</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tch., Asst.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>321bPL</td>
<td></td>
<td>2295</td>
<td>7-8518</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tch., Asst.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>314bPL</td>
<td></td>
<td>1018</td>
<td>5565</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tch., Asst.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>314bPL</td>
<td></td>
<td>7-447</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tch., Asst.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>320PL</td>
<td></td>
<td>2306</td>
<td>7-9971</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tch., Asst.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>314bPL</td>
<td></td>
<td>3026</td>
<td>7-1904</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tch., Asst.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>314bPL</td>
<td></td>
<td>7-4532</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tch., Asst.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>321PL</td>
<td></td>
<td>2306</td>
<td>7-2750</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tch., Asst.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>321PL</td>
<td></td>
<td>7-5354</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tch., Asst.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>321PL</td>
<td></td>
<td>2295</td>
<td>7-1304</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tch., Asst.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>314bPL</td>
<td></td>
<td>2296</td>
<td>7-2338</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tch., Asst.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>314bPL</td>
<td></td>
<td>3124</td>
<td>7-7324</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tch., Asst.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>312PL</td>
<td></td>
<td>2296</td>
<td>7-2182</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tch., Asst.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>312PL</td>
<td></td>
<td>3206</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tch., Asst.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>321PL</td>
<td></td>
<td>3206</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tch., Asst.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>321PL</td>
<td></td>
<td>3214</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tch., Asst.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>401PL</td>
<td></td>
<td>3213</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tch., Asst.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>401PL</td>
<td></td>
<td>3213</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tch., Asst.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>402PL</td>
<td></td>
<td>3109</td>
<td>7-9271</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tch., Asst.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>402PL</td>
<td></td>
<td>3109</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tch., Asst.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>402PL</td>
<td></td>
<td>3109</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tch., Asst.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>402PL</td>
<td></td>
<td>3109</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vook, F.L.</td>
<td>U.S. Steel Fel.</td>
<td>321PL</td>
<td>155Min</td>
<td>2294</td>
<td>2314</td>
</tr>
<tr>
<td>Vook, R.W.</td>
<td>R. Asst.</td>
<td>155Min</td>
<td>155Min</td>
<td>2314</td>
<td>2314</td>
</tr>
<tr>
<td>Wataghin, V.</td>
<td>R. Asst.</td>
<td>310PL</td>
<td>310PL</td>
<td>2323</td>
<td>2323</td>
</tr>
<tr>
<td>Macress, R.S.</td>
<td>R. Asst.</td>
<td>316PL</td>
<td>-</td>
<td>2840</td>
<td>-</td>
</tr>
<tr>
<td>Wyatt, P.J.</td>
<td>Tch. Asst.</td>
<td>321PL</td>
<td>-</td>
<td>2294</td>
<td>-</td>
</tr>
<tr>
<td>Yamagata, T.</td>
<td>R. Asst.</td>
<td>220PRL</td>
<td>210PRL</td>
<td>2526</td>
<td>2526</td>
</tr>
<tr>
<td>Ytterhus, J.A.</td>
<td>R. Asst.</td>
<td>217TB</td>
<td>155Min</td>
<td>2528</td>
<td>2314</td>
</tr>
</tbody>
</table>

| Arnold         |             |        |        |      |      |        |                |
| Crown          |             |        |        |      |      |        |                |
| Pottery        |             |        |        |      |      |        |                |
| Valentia       |             |        |        |      |      |        |                |
|              |              |        |        |      |      |        |                |
| Linthwaite     |             |        |        |      |      |        |                |
| Sikhs          |             |        |        |      |      |        |                |
| Baker          | +             |        |        |      |      |        |                 |
| Redondo        |                     |        |        |      |      |        |                 |
|              |                     |        |        |      |      |        |                 |
| M. Perkins     |             |        |        |      |      |        |                |

(omitted text)
Wives of Senior Staff - Physics Department
September 1955

Mrs. Elihu Abrahams  Geulah Abrahams
Mrs. J.S. Allen  Mary Allen
Mrs. G.M. Almy  Ruth Almy
Mrs. Giulio Ascoli  Marian Ascoli
Mrs. John Bardeen  Jane Bardeen
Mrs. R.A. Becker  Dottie Becker
Mrs. Gilberto Bernardini  Nella Bernardini
Mrs. F.J. Blatt  Sylvia Blatt
Mrs. F.C. Brown  Joan Brown
Mrs. G.F. Chew  Ruth Chew
Mrs. L.N. Cooper  Martha Cooper
Mrs. R.B. Duffield  Priscilla Duffield
Mrs. A.M. Feingold  Jeanne Feingold
Mrs. Hans Frauenfelder  Vreneli Frauenfelder
Mrs. E.A. Goldwasser  Eliza Goldwasser
Mrs. Uri Haber-Schaim  Shlomith Haber-Schaim
Mrs. Ulrich Gonser  Wilhelmine Gonser
Mrs. R.R. Hake  Audrey Hake
Mrs. R.D. Hill  Judith Hill
Mrs. R.I. Hulsizer  Bunny Hulsizer
Mrs. W.K. Jentschke  Inge Jentschke
Mrs. Walter John  Carol John
Mrs. D.W. Kerst  Dorothy Kerst
Mrs. J.S. Koehler  Harriet Koehler
Mrs. L.J. Koester  Marian Koester
Mrs. P.G. Kruger  Eri Kruger
Mrs. L.J. Laslett  Barbara Laslett
Mrs. L.S. Lavatelli  Anna Lavatelli
Mrs. David Lazarus  Betty Lazarus
Mrs. Andrew Longacre  Marian Longacre
Mrs. F.W. Loomis  Edith Loomis
Mrs. F.E. Low  Natalie Low
Mrs. E.M. Lyman  Tebbie Lyman
Mrs. D.E. Mapother  Betty Mapother
Mrs. R.J. Maurer  Dot Maurer
Mrs. R.E. Meagher  Charlotte Meagher
Mrs. A.C. Odian  Christine Odian
Mrs. B. Okkerse  Adrie Okkerse
Mrs. R.F. Paton  Agnes Paton
Mrs. R.D. Rawcliffe  Violet Rawcliffe
Mrs. C.S. Robinson  Rachel Robinson
Mrs. R.A. Schmitt  Jean Schmitt
Mrs. Frederick Seitz  Betty Seitz
Mrs. C.W. Sherwin  Irene Sherwin
Mrs. C.P. Slichter  Nini Slichter
Mrs. J.H. Smith  Jean Smith
Mrs. J.N. Snyder  Betty Snyder
Mrs. Peter Stahelin  Rose Stahelin
Mrs. R.M. Thomson  Alice Thomson
Mrs. S.H. Vegors  Ann Vegors
Mrs. Nils Vogt-Nilsen  Bodil Vogt-Nilsen
Mrs. J.C. Wheatley  Martha Wheatley
RECORD OF TEACHING, ADMINISTRATION, RESEARCH, AND GENERAL ACTIVITIES

NAME Elihu Abrahams

Highest Degree Ph.D.

Academic Rank Asst. Prof.

Admin. Title

Time devoted to University work according to official appointment: X Full Time; 3/4; 3/8; 1/2; 3/8; 1/4; Time.

TEACHING: Teaching program for the current academic year was reported to the Bureau of Institutional Research as 33 percent of full load in the fall semester and 33 percent in the spring semester. (Department secretary may fill in this information.)

RESEARCH: Percent of official appointment time devoted to research was reported to the Bureau of Institutional Research as 67 percent of a full load in the fall semester and 67 percent in the spring semester. Major projects and areas of specialization are:

OTHER DUTIES: University duties not directly credited to teaching and research occupy an average of _______ clock hours per week. The principal time-consuming duties are:

MEMBERSHIP ON COMMITTEES:

Department:

College:

University:

Technical Societies and Advisory Groups:
PROFESSIONAL ACTIVITIES:

New degree, and name of institution granting:

Membership in technical societies and fraternities: American Physical Society.

Attendance at meetings of technical societies: American Physical Society:

Research completed this year or in progress, including individual research, supervision of graduate theses, and research aimed at improvement of teaching:

Spin resonance in crystals without inversion symmetry. 
\[ g \text{-factors and relaxation times for donor resonances in silicon.} \]

Publications — Co-author, Title, Journal or Publisher, Volume, Page, and Date; including reports prepared for limited distribution:


Addresses — Title, organization addressed, and date:

Voluntary student-faculty activities (for example, attendance at student meetings, participation in them, individual informal counseling with students, entertaining students in your home or elsewhere, etc.):

Other professional activities, including summer work:
RECORD OF TEACHING, ADMINISTRATION, RESEARCH, AND GENERAL ACTIVITIES

NAME: James S. Allen

Academic Rank: Professor
Highest Degree: Ph.D.

Time devoted to University work according to official appointment: ___ Full Time; ___ 3/4; ___ 2/3; ___ 1/2; ___ 1/3; ___ 1/4; ___ Time.

TEACHING: Teaching program for the current academic year was reported to the Bureau of Institutional Research as ___ percent of full load in the fall semester and ___ percent in the spring semester. (Department secretary may fill in this information.)

RESEARCH: Percent of official appointment time devoted to research was reported to the Bureau of Institutional Research as ___ percent of a full load in the fall semester and ___ percent in the spring semester. Major projects and areas of specialization are:

Direction of the rebuilding program of the U. of I. cyclotron.

Direction of neutrino research program. The radioactive materials required for this program are produced by the cyclotron.

OTHER DUTIES: University duties not directly credited to teaching and research occupy an average of ___ clock hours per week. The principal time-consuming duties are:

The administration work associated with the operation of the cyclotron.

MEMBERSHIP ON COMMITTEES:

Department: Engineering Physics Curriculum Advisory
Machine Shops and Drafting
Electronics Shop

College: Student English

University: 

Technical Societies and Advisory Groups:
PROFESSIONAL ACTIVITIES:

New degree, and name of institution granting:

Membership in technical societies and fraternities:

American Physical Society

Attendance at meetings of technical societies:

American Physical Society: Chicago, November 1955
                New York, January 1956

Research completed this year or in progress, including individual research, supervision of graduate theses, and research aimed at improvement of teaching:

"The electron-neutrino angular correlation in the beta decay of carbon 35" (with P. Stähelin and W. Herrmannsfeldt)

Publications — Co-author, Title, Journal or Publisher, Volume, Page, and Date; including reports prepared for limited distribution:

"Photomultiplier tubes with grids" (With Lawrence R. Megill)
            Nucleonics, 14: 55 (1956).

Addresses — Title, organization addressed, and date:


Voluntary student-faculty activities (for example, attendance at student meetings, participation in them, individual informal counseling with students, entertaining students in your home or elsewhere, etc.):

Other professional activities, including summer work:

Professional consultation at LosAlamos Scientific Laboratory, June 20-Aug.20, 1956.
RECORD OF TEACHING, ADMINISTRATION, RESEARCH, AND GENERAL ACTIVITIES

NAME: Gerald M. Almy
Highest Degree: Ph.D.

Academic Rank: Professor
Admin. Title: Assoc. Head of Dept.

Time devoted to University work according to official appointment:
- Full Time; 
- 3/4;
- 2/3;
- 1/2;
- 1/3;
- 1/4; 
- _____ Time.

TEACHING:
Teaching program for the current academic year was reported to the Bureau of Institutional Research as 50 percent of full load in the fall semester and 50 percent in the spring semester. (Department secretary may fill in this information.)

RESEARCH:
Percent of official appointment time devoted to research was reported to the Bureau of Institutional Research as _____ percent of a full load in the fall semester and _____ percent in the spring semester. Major projects and areas of specialization are:

OTHER DUTIES:
University duties not directly credited to teaching and research occupy an average of _____ clock hours per week. The principal time-consuming duties are:

Departmental administrative work.

MEMBERSHIP ON COMMITTEES:
- Assistants and Fellows, Chair.
- Graduate Studies and Exams, Chair.
- Building Committee
- Fulbright Awards University Patents, Chair.

Technical Societies and Advisory Groups:
PROFESSIONAL ACTIVITIES:

New degree, and name of institution granting:

Membership in technical societies and fraternities:
- American Physical Society
- American Institute of Physics

Attendance at meetings of technical societies:
- American Physical Society:

Research completed this year or in progress, including individual research, supervision of graduate theses, and research aimed at improvement of teaching:

Publications — Co-author, Title, Journal or Publisher, Volume, Page, and Date; including reports prepared for limited distribution:

Addresses — Title, organization addressed, and date:

Voluntary student-faculty activities (for example, attendance at student meetings, participation in them, individual informal counseling with students, entertaining students in your home or elsewhere, etc.):

Other professional activities, including summer work:
RECORD OF TEACHING, ADMINISTRATION, RESEARCH, AND GENERAL ACTIVITIES

NAME: Giulio Ascoli

Highest Degree: Ph.D.

Academic Rank: Asst. Prof.

Admin. Title: 

Time devoted to University work according to official appointment: 
- Full Time; 
- ¾; 
- ²/₃; 
- ½; 
- ¼; 
- Time.

TEACHING: Teaching program for the current academic year was reported to the Bureau of Institutional Research as 100 percent of full load in the fall semester and 100 percent in the spring semester. (Department secretary may fill in this information.)

RESEARCH: Percent of official appointment time devoted to research was reported to the Bureau of Institutional Research as ______ percent of a full load in the fall semester and ______ percent in the spring semester. Major projects and areas of specialization are:

OTHER DUTIES: University duties not directly credited to teaching and research occupy an average of ______ clock hours per week. The principal time-consuming duties are:

MEMBERSHIP ON COMMITTEES:

Department: Building and Power

College: 

University: 

Technical Societies and Advisory Groups:
PROFESSIONAL ACTIVITIES:

New degree, and name of institution granting:

Membership in technical societies and fraternities:  
American Physical Society

Attendance at meetings of technical societies:

Research completed this year or in progress, including individual research, supervision of graduate theses, and research aimed at improvement of teaching:

An experiment concerning the interactions of the high-energy protons produced by the "Bevatron" is in progress.

Publications — Co-author, Title, Journal or Publisher, Volume, Page, and Date; including reports prepared for limited distribution:

Addresses — Title, organization addressed, and date:

Voluntary student-faculty activities (for example, attendance at student meetings, participation in them, individual informal counseling with students, entertaining students in your home or elsewhere, etc.):

Other professional activities, including summer work:
UNIVERSITY OF ILLINOIS
COLLEGE OF ENGINEERING — DEPARTMENT OF Physics

May 1, 1955 to April 30, 1956

RECORD OF TEACHING, ADMINISTRATION, RESEARCH, AND GENERAL ACTIVITIES

NAME: Peter Axel

Highest Degree: Ph.D.

Academic Rank: Associate Professor

Admin. Title:

Time devoted to University work according to official appointment: 

- Full Time; 
- 3/4; 
- 2/3; 
- 1/2; 
- 1/3; 
- 1/4; 
- Time.

TEACHING:

Teaching program for the current academic year was reported to the Bureau of Institutional Research as percent of full load in the fall semester and percent in the spring semester. (Department secretary may fill in this information.)

RESEARCH:

Percent of official appointment time devoted to research was reported to the Bureau of Institutional Research as percent of a full load in the fall semester and percent in the spring semester. Major projects and areas of specialization are:

OTHER DUTIES:

University duties not directly credited to teaching and research occupy an average of clock hours per week. The principal time-consuming duties are:

Professor Axel has a Guggenheim fellowship this year and is spending the year in Europe—last fall he was at Cavendish Laboratory, Cambridge, England, and he is now at the Institute for Theoretical Physics, Copenhagen, Denmark.

MEMBERSHIP ON COMMITTEES:

Department:

College:

University:

Technical Societies and Advisory Groups:
PROFESSIONAL ACTIVITIES:

New degree, and name of institution granting:

Membership in technical societies and fraternities:

Attendance at meetings of technical societies:

Research completed this year or in progress, including individual research, supervision of graduate theses, and research aimed at improvement of teaching:

Publications — Co-author, Title, Journal or Publisher, Volume, Page, and Date; including reports prepared for limited distribution:

**Implications of the photonuclear effect in Zr**$_{90}$.


 Seven new isomers with half-lives between $10^{-5}$ and $10^{-1}$ second.


Addresses — Title, organization addressed, and date:

Voluntary student-faculty activities (for example, attendance at student meetings, participation in them, individual informal counseling with students, entertaining students in your home or elsewhere, etc.):

Other professional activities, including summer work:
UNIVERSITY OF ILLINOIS

COLLEGE OF ENGINEERING — DEPARTMENT OF Physics

May 1, 1955 to April 30, 1956

RECORD OF TEACHING, ADMINISTRATION, RESEARCH, AND GENERAL ACTIVITIES

NAME John Bardeen

Highest Degree Ph.D.

Academic Rank Professor

Admin. Title

Time devoted to University work according to official appointment: Full Time; 3/4; 2/3; x 1/2; 1/3; 1/4; Time. 

TEACHING: Teaching program for the current academic year was reported to the Bureau of Institutional Research as 100% percent of full load in the fall semester and 50 percent in the spring semester. (Department secretary may fill in this information.)

RESEARCH: Percent of official appointment time devoted to research was reported to the Bureau of Institutional Research as percent of a full load in the fall semester and percent in the spring semester. Major projects and areas of specialization are:

Prof. Bardeen's appointment is 50% Physics, 50% E.E.

OTHER DUTIES: University duties not directly credited to teaching and research occupy an average of clock hours per week. The principal time-consuming duties are:

MEMBERSHIP ON COMMITTEES:

Department: Undergraduate Studies

College: Various Prelim and Doctoral Exam Committees (Grad. College)

University:

PROFESSIONAL ACTIVITIES:

New degree, and name of institution granting:
D.Sc. (Hon.) Union College, June 1955.

Membership in technical societies and fraternities: Fellow Amer. Phys. Soc.
Nat. Acad. Sci.
Sigma Xi
Tau Beta Pi
Eta Kappa Nu

Attendance at meetings of technical societies:
American Physical Society: Chicago, November 1955
New York, January 1956
Pittsburgh, March 1956.

Research completed this year or in progress, including individual research, supervision of graduate theses, and research aimed at improvement of teaching:

Directing three research programs:
1. Theory of conduction in solids (O.O.R.) in which most work has been on superconductivity, semiconductors.
2. Diffusion in semiconductors (OSRD Air Force) in which work has been done on mechanisms of diffusion and diffusion to small depths, conduction in high fields, and
3. Semiconductors and transistor electronics (ONR), in which most work has been on surface properties.

Directing 5 graduate theses and several other research projects of grad. students.

Publications — co-author, Title, Journal or Publisher, Volume, Page, and Date; including reports prepared for limited distribution:

Several articles in press.

Addresses — Title, organization addressed, and date:

University of Pennsylvania, January 1956
General Electric Res. Lab., January 1956
University of Chicago, April 1956.

Voluntary student-faculty activities (for example, attendance at student meetings, participation in them, individual informal counseling with students, entertaining students in your home or elsewhere, etc.):

Entertain students at home on a number of occasions.

Other professional activities, including summer work:

Consultant: General Electric Research Lab.
The Haloid Company
UNIVERSITY OF ILLINOIS

COLLEGE OF ENGINEERING — DEPARTMENT OF Physics

May 1, 1955 to April 30, 1956

RECORD OF TEACHING, ADMINISTRATION, RESEARCH, AND GENERAL ACTIVITIES

NAME James H. Bartlett Highest Degree Ph.D.

Academic Rank Professor Admin. Title

Time devoted to University work according to official appointment: X Full Time; ⅗; ⅕; ⅓; ⅙; ⅘; ¼; Time.

TEACHING: Teaching program for the current academic year was reported to the Bureau of Institutional Research as _______ percent of full load in the fall semester and _______ percent in the spring semester. (Department secretary may fill in this information.)

RESEARCH: Percent of official appointment time devoted to research was reported to the Bureau of Institutional Research as _______ percent of a full load in the fall semester and _______ percent in the spring semester. Major projects and areas of specialization are:

OTHER DUTIES: University duties not directly credited to teaching and research occupy an average of _______ clock hours per week. The principal time-consuming duties are:

On leave of absence.

MEMBERSHIP ON COMMITTEES:

Department:

College:

University:

Technical Societies and Advisory Groups:
PROFESSIONAL ACTIVITIES:

New degree, and name of institution granting:

Membership in technical societies and fraternities:

Attendance at meetings of technical societies:

Research completed this year or in progress, including individual research, supervision of graduate theses, and research aimed at improvement of teaching:

Publications — Co-author, Title, Journal or Publisher, Volume, Page, and Date; including reports prepared for limited distribution:

Addresses — Title, organization addressed, and date:

Voluntary student-faculty activities (for example, attendance at student meetings, participation in them, individual informal counseling with students, entertaining students in your home or elsewhere, etc.):

Other professional activities, including summer work:
UNIVERSITY OF ILLINOIS
COLLEGE OF ENGINEERING — DEPARTMENT OF Physics

May 1, 1955 to April 30, 1956

RECORD OF TEACHING, ADMINISTRATION, RESEARCH, AND GENERAL ACTIVITIES

NAME Giuseppe F. Bassani

Academic Rank Associate

Highest Degree Laurea in Phys. (Italy)

Time devoted to University work according to official appointment: \( \frac{1}{2} \) Full Time; \( \frac{1}{2} \); \( \frac{1}{4} \); \( \frac{1}{4} \); Time.

TEACHING: Teaching program for the current academic year was reported to the Bureau of Institutional Research as \( 100 \) percent of full load in the fall semester and \( 100 \) percent in the spring semester. (Department secretary may fill in this information.)

RESEARCH: Percent of official appointment time devoted to research was reported to the Bureau of Institutional Research as \( 100 \) percent of a full load in the fall semester and \( 100 \) percent in the spring semester. Major projects and areas of specialization are:

OTHER DUTIES: University duties not directly credited to teaching and research occupy an average of \( \frac{1}{2} \) clock hours per week. The principal time-consuming duties are:

MEMBERSHIP ON COMMITTEES:

Department:

College:

University:

Technical Societies and Advisory Groups:
PROFESSIONAL ACTIVITIES:

New degree, and name of institution granting:

Membership in technical societies and fraternities:

Member of the Italian Physical Society

Member of the American Physical Society

Attendance at meetings of technical societies:

Pittsburgh Meeting of the American Physical Society. (March 1956)

Research completed this year or in progress, including individual research, supervision of graduate theses, and research aimed at improvement of teaching:

Research completed: Association Energy of Vacancies and Impurities with Edge Dislocations in NaCl. (To appear in Physical Review, in collaboration with Dr. R. Thomson.)

Research in progress: 1) Energy bands of Na in the Diamond Type Lattice.

Voluntary student-faculty activities (for example, attendance at student meetings, participation in them, individual informal counseling with students, entertaining students in your home or elsewhere, etc.):

Publications — Co-author, Title, Journal or Publisher, Volume, Page, and Date; including reports prepared for limited distribution:

Other professional activities, including summer work:
RECORD OF TEACHING, ADMINISTRATION, RESEARCH, AND GENERAL ACTIVITIES

NAME: Robert A. Becker

Highest Degree: Ph.D.

Academic Rank: Professor

Admin. Title:

Time devoted to University work according to official appointment: X Full Time; 3/4; 2/3; 1/2; 1/3; 1/4; Time.

TEACHING: Teaching program for the current academic year was reported to the Bureau of Institutional Research as 100 percent of full load in the fall semester and 100 percent in the spring semester. (Department secretary may fill in this information.)

RESEARCH: Percent of official appointment time devoted to research was reported to the Bureau of Institutional Research as ______ percent of a full load in the fall semester and ______ percent in the spring semester. Major projects and areas of specialization are:

OTHER DUTIES: University duties not directly credited to teaching and research occupy an average of _____ clock hours per week. The principal time-consuming duties are:

MEMBERSHIP ON COMMITTEES:

Department: Placement
Assistants and Fellows
Engineering Physics Advisory

College: Placement

University:

Technical Societies and Advisory Groups:
PROFESSIONAL ACTIVITIES:

New degree, and name of institution granting:

Membership in technical societies and fraternities:

American Institute of Physics
American Physical Society (Fellow)

Attendance at meetings of technical societies:


Research completed this year or in progress, including individual research, supervision of graduate theses, and research aimed at improvement of teaching:

Completed and being submitted for publication: Study of the disintegration scheme of Mo$^{91}$ to Nb$^{91}$.

In progress: Study of decay scheme of Tb$^{158}$.

Publications — Co-author, Title, Journal or Publisher, Volume, Page, and Date; including reports prepared for limited distribution:

Addresses — Title, organization addressed, and date:

Voluntary student-faculty activities (for example, attendance at student meetings, participation in them, individual informal counseling with students, entertaining students in your home or elsewhere, etc.):

More hours than I would like to remember.

Other professional activities, including summer work:
Research full-time at the Physics Research Laboratory. Visited Physics Labs at Univ. of Washington in Seattle, and Radiation Lab, Univ. of Calif. at Berkeley.
RECORD OF TEACHING, ADMINISTRATION, RESEARCH, AND GENERAL ACTIVITIES

NAME: Gilberto Bernardini
Highest Degree: Ph.D.

Academic Rank: Professor
Admin. Title:

Time devoted to University work according to official appointment: X Full Time; ___% ___% ___% ___% Time.

TEACHING: Teaching program for the current academic year was reported to the Bureau of Institutional Research as 50 percent of full load in the fall semester and 50 percent in the spring semester. (Department secretary may fill in this information.)

RESEARCH: Percent of official appointment time devoted to research was reported to the Bureau of Institutional Research as 50 percent of a full load in the fall semester and 50 percent in the spring semester. Major projects and areas of specialization are:

Professor Bernardini is on a research appointment, but directs the above research of graduate students.

OTHER DUTIES: University duties not directly credited to teaching and research occupy an average of _______ clock hours per week. The principal time-consuming duties are:

MEMBERSHIP ON COMMITTEES:

Department:

College:

University:

Technical Societies and Advisory Groups:
PROFESSIONAL ACTIVITIES:

New degree, and name of institution granting:

Membership in technical societies and fraternities:

Attendance at meetings of technical societies:

Research completed this year or in progress, including individual research, supervision of graduate theses, and research aimed at improvement of teaching:

Publications — Co-author, Title, Journal or Publisher, Volume, Page, and Date; including reports prepared for limited distribution:

Addresses — Title, organization addressed, and date:

Voluntary student-faculty activities (for example, attendance at student meetings, participation in them, individual informal counseling with students, entertaining students in your home or elsewhere, etc.):

Other professional activities, including summer work:
UNIVERSITY OF ILLINOIS

COLLEGE OF ENGINEERING — DEPARTMENT OF ______________________

May 1, 19____ to April 30, 19____

RECORD OF TEACHING, ADMINISTRATION, RESEARCH, AND GENERAL ACTIVITIES

NAME Frank J. Blatt Research
Highest Degree Ph.D.

Academic Rank/Assistant Professor Admin. Title

Time devoted to University work according to official appointment: Full Time; %; %; %; %;

TEACHING: Teaching program for the current academic year was reported to the Bureau of Institutional Research as percent of full load in the fall semester and percent in the spring semester. (Department secretary may fill in this information.)

RESEARCH: Percent of official appointment time devoted to research was reported to the Bureau of Institutional Research as percent of a full load in the fall semester and percent in the spring semester. Major projects and areas of specialization are:

OTHER DUTIES: University duties not directly credited to teaching and research occupy an average of clock hours per week. The principal time-consuming duties are:

MEMBERSHIP ON COMMITTEES:
Department: Solid State Seminar, Chairman

College: University:

Technical Societies and Advisory Groups:
PROFESSIONAL ACTIVITIES:

New degree, and name of institution granting:

Membership in technical societies and fraternities:

American Physical Society

Attendance at meetings of technical societies:

American Physical Society: Chicago, Nov. 25-26, 1955
New York, Jan. 31-Feb. 4, 1956
Pittsburgh, March 15-17, 1956.

Research completed this year or in progress, including individual research, supervision of graduate theses, and research aimed at improvement of teaching:

Review article on Solid State Physics (with C.T. Tomizuka and L.M. Slifkin), Annual Reviews of Physical Chemistry.
Scattering of electrons by ionized impurities in semiconductors. Influence of stacking faults on the resistivity of noble metals. (with F.S. Ham and J.S. Koehler)
Manuscript on mobility theory now being written for publication in Solid State Physics.

Publications — Co-author, Title, Journal or Publisher, Volume, Page, and Date; including reports prepared for limited distribution:


Addresses — Title, organization addressed, and date:


Voluntary student-faculty activities (for example, attendance at student meetings, participation in them, individual informal counseling with students, entertaining students in your home or elsewhere, etc.):

Other professional activities, including summer work:
UNIVERSITY OF ILLINOIS
COLLEGE OF ENGINEERING — DEPARTMENT OF Physics

May 1, 1955 to April 30, 1956

RECORD OF TEACHING, ADMINISTRATION, RESEARCH, AND GENERAL ACTIVITIES

NAME Frederick C. Brown Highest Degree Ph.D.

Academic Rank Asst. Prof. Admin. Title

Time devoted to University work according to official appointment: X Full Time; ⅔; ⅔; ½; ⅓; ¼; —Time.

TEACHING: Teaching program for the current academic year was reported to the Bureau of Institutional Research as percent of full load in the fall semester and percent in the spring semester. (Department secretary may fill in this information.)

RESEARCH: Percent of official appointment time devoted to research was reported to the Bureau of Institutional Research as percent of a full load in the fall semester and percent in the spring semester. Major projects and areas of specialization are:

OTHER DUTIES: University duties not directly credited to teaching and research occupy an average of clock hours per week. The principal time-consuming duties are:

MEMBERSHIP ON COMMITTEES:

Department:

College:

University:

Technical Societies and Advisory Groups:
PROFESSIONAL ACTIVITIES:

New degree, and name of institution granting:

Membership in technical societies and fraternities:

American Physical Society
Sigma Xi.
American Assoc. of Physics Teachers

Attendance at meetings of technical societies:

American Physical Society, Pittsburgh March 15-17, 1956

Research completed this year or in progress, including individual research, supervision of graduate theses, and research aimed at improvement of teaching:

Research started and in progress on electron processes in the silver halides.
Supervision of one graduate student (R. Vanheynigen) working on photoconductivity in AgCl at low temperature.

Publications — Co-author, Title, Journal or Publisher, Volume, Page, and Date; including reports prepared for limited distribution:

Addresses — Title, organization addressed, and date:

Research Laboratories
General Electric Co.
Talk on: Properties of the silver halides, March 14, 1956

Voluntary student-faculty activities (for example, attendance at student meetings, participation in them, individual informal counseling with students, entertaining students in your home or elsewhere, etc.):

Advisor to Omega Beta Pi, pre-medical honorary
May 1956

Other professional activities, including summer work:

Work during summer 1955 at Reed College under NSF grant on photolytic darkening in AgCl. (Article in preparation with N. Wainfan)
UNIVERSITY OF ILLINOIS
COLLEGE OF ENGINEERING — DEPARTMENT OF __Physics___

May 1, 1955 to April 30, 1956

RECORD OF TEACHING, ADMINISTRATION, RESEARCH, AND GENERAL ACTIVITIES

NAME: Geoffrey F. Chew

Highest Degree: Ph.D.

Academic Rank: Professor

Time devoted to University work according to official appointment: Full Time; ¾; ¾; ½; ½; Time.

TEACHING: Teaching program for the current academic year was reported to the Bureau of Institutional Research as 100 percent of full load in the fall semester and 100 percent in the spring semester. (Department secretary may fill in this information.)

RESEARCH: Percent of official appointment time devoted to research was reported to the Bureau of Institutional Research as ______ percent of a full load in the fall semester and ______ percent in the spring semester. Major projects and areas of specialization are:

OTHER DUTIES: University duties not directly credited to teaching and research occupy an average of ______ clock hours per week. The principal time-consuming duties are:

MEMBERSHIP ON COMMITTEES:

Department: Advisory Committee
Physics Colloquium, Chairman
Physics Library, Chairman
Graduate Students and Exams

College: Engineering College Library

University:

Technical Societies and Advisory Groups:
Publications Committee of the American Physical Society
Passport Committee of the Federation of American Scientists, Chairman
PROFESSIONAL ACTIVITIES:

New degree, and name of institution granting:

Membership in technical societies and fraternities:

American Physical Society (Fellow)

Attendance at meetings of technical societies:

- Conference on Elementary Particles, Pisa, Italy, June 1955
- American Physical Society, Chicago, November 1955
- Conference on High Energy Nuclear Physics, Rochester, N.Y., April 1956
- Mid-West Conference on Theoretical Physics, Iowa City, Ia., March 1956

Research completed this year or in progress, including individual research, supervision of graduate theses, and research aimed at improvement of teaching:

1. Have almost completed article for the new Encyclopaedia of Physics on "Pion Scattering and Production". In connection with this I am engaged in an intensive study of relativistic dispersion relations for pi-meson phenomena.
3. Hydromagnetic research with F.E. Low and M.L. Goldberger. (to be published)

Publications — Co-author, Title, Journal or Publisher, Volume, Page, and Date; including reports prepared for limited distribution:


Addresses — Title, organization addressed, and date:

1. Report on Theoretical Pion Physics at the Univ. of Illinois, Pisa Conference in Italy, June 1955.
2. Extrapolation Procedure for Determining the Pion-Nucleon Coupling Constant. Iowa City Conference on Theoretical Physics, March 1956.

Voluntary student-faculty activities (for example, attendance at student meetings, participation in them, individual informal counseling with students, entertaining students in your home or elsewhere, etc.):

- Advisor to Student Committee on Discrimination and Academic Freedom.

Other professional activities, including summer work:

- Two months at LosAlamos Scientific Laboratory as consultant on Project Sherwood, July-Sept. 1955.
UNIVERSITY OF ILLINOIS
COLLEGE OF ENGINEERING — DEPARTMENT OF Physics

May 1, 1955 to April 30, 1956

RECORD OF TEACHING, ADMINISTRATION, RESEARCH, AND GENERAL ACTIVITIES

NAME: Gianfranco Chiarotti

Research Academic Rank: Asst. Prof.

Highest Degree: Doctor in Physics (Italy)

Admin. Title: 

Time devoted to University work according to official appointment: 

Teaching: Teaching program for the current academic year was reported to the Bureau of Institutional Research as percent of full load in the fall semester and percent in the spring semester. (Department secretary may fill in this information.)

Research: Percent of official appointment time devoted to research was reported to the Bureau of Institutional Research as percent of a full load in the fall semester and percent in the spring semester. Major projects and areas of specialization are:

Solid State Physics

OTHER DUTIES: University duties not directly credited to teaching and research occupy an average of clock hours per week. The principal time-consuming duties are:

MEMBERSHIP ON COMMITTEES:

Department:

College:

University:

Technical Societies and Advisory Groups:
PROFESSIONAL ACTIVITIES:

New degree, and name of institution granting:

Membership in technical societies and fraternities:

Member of the "Italian Physical Society"

Attendance at meetings of technical societies:

Pittsburgh: Meeting of APS, March 1956.

Research completed this year or in progress, including individual research, supervision of graduate theses, and research aimed at improvement of teaching:

Deformation of Alkali Halide at Low Temperatures

Individual research in progress

Publications — Co-author, Title, Journal or Publisher, Volume, Page, and Date; including reports prepared for limited distribution:

Addresses — Title, organization addressed, and date:

Voluntary student-faculty activities (for example, attendance at student meetings, participation in them, individual informal counseling with students, entertaining students in your home or elsewhere, etc.):

Other professional activities, including summer work:
RECORD OF TEACHING, ADMINISTRATION, RESEARCH, AND GENERAL ACTIVITIES

NAME: John F. Cochran

Highest Degree: Ph.D.

Academic Rank: Assoc. Prof.

Time devoted to University work according to official appointment: _______ Full Time; _______ 3/4; _______ 2/3; _______ 1/2; _______ 1/3; _______ 1/4; _______ Time.

TEACHING:
Teaching program for the current academic year was reported to the Bureau of Institutional Research as _______ percent of full load in the fall semester and _______ percent in the spring semester. (Department secretary may fill in this information.)

RESEARCH:
Percent of official appointment time devoted to research was reported to the Bureau of Institutional Research as _______ percent of a full load in the fall semester and _______ percent in the spring semester. Major projects and areas of specialization are:

Dr. Cochran was on appointment for the first semester only. He is now at Oxford University, England, on a Canadian Overseas Postdoctoral fellowship.

OTHER DUTIES: University duties not directly credited to teaching and research occupy an average of _______ clock hours per week. The principal time-consuming duties are:

MEMBERSHIP ON COMMITTEES:

Department:

College:

University:

Technical Societies and Advisory Groups:
PROFESSIONAL ACTIVITIES:

New degree, and name of institution granting:

Membership in technical societies and fraternities:

Attendance at meetings of technical societies:

Research completed this year or in progress, including individual research, supervision of graduate theses, and research aimed at improvement of teaching:

Publications — Co-author, Title, Journal or Publisher, Volume, Page, and Date; including reports prepared for limited distribution:

Addresses — Title, organization addressed, and date:

Voluntary student-faculty activities (for example, attendance at student meetings, participation in them, individual informal counseling with students, entertaining students in your home or elsewhere, etc.):

Other professional activities, including summer work:
UNIVERSITY OF ILLINOIS
COLLEGE OF ENGINEERING — DEPARTMENT OF Physics

May 1, 1955 to April 30, 1956

RECORD OF TEACHING, ADMINISTRATION, RESEARCH, AND GENERAL ACTIVITIES

NAME Leon N. Cooper

Highest Degree Ph.D.

Academic Rank Associate

Admin. Title

Time devoted to University work according to official appointment:  x Full Time; 3/4; 1/2; 1/2; 1/4; Time.

TEACHING: Teaching program for the current academic year was reported to the Bureau of Institutional Research as percent of full load in the fall semester and percent in the spring semester. (Department secretary may fill in this information.)

RESEARCH: Percent of official appointment time devoted to research was reported to the Bureau of Institutional Research as 100 percent of a full load in the fall semester and 100 percent in the spring semester. Major projects and areas of specialization are:

OTHER DUTIES: University duties not directly credited to teaching and research occupy an average of clock hours per week. The principal time-consuming duties are:

MEMBERSHIP ON COMMITTEES:

Department:

College:

University:

Technical Societies and Advisory Groups:
PROFESSIONAL ACTIVITIES:

New degree, and name of institution granting:

Membership in technical societies and fraternities:

American Physical Society, Sigma Xi, Phi Beta Kappa

Attendance at meetings of technical societies:

Chicago Meeting A.P.S. Nov. 1955
Washington Meeting A.P.S. April 1956

Research completed this year or in progress, including individual research, supervision of graduate theses, and research aimed at improvement of teaching:

Research on nature of superconducting state (in progress)
Research on possible renormalizability of the Chew static model without a cut-off

Publications — Co-author, Title, Journal or Publisher, Volume, Page, and Date; including reports prepared for limited distribution:

Some Notes on Nonrenormalizable Field Theory Phys. Rev. 100
pp. 362-370 1955 (Completed about June 1955 while at the Institute for Advanced Study)

Addresses — Title, organization addressed, and date:

Voluntary student-faculty activities (for example, attendance at student meetings, participation in them, individual informal counseling with students, entertaining students in your home or elsewhere, etc.):

Theoretical Seminars, other seminars etc.

Other professional activities, including summer work:

International School of Physics, Varenna, Lake Como Study
Summer 1955 (Lecturer)
UNIVERSITY OF ILLINOIS
COLLEGE OF ENGINEERING — DEPARTMENT OF __Physics____

May 1, 1955 to April 30, 1956

RECORD OF TEACHING, ADMINISTRATION, RESEARCH, AND GENERAL ACTIVITIES

NAME ___________________________ Highest Degree __M.S.____

Academic Rank __Instructor (II Semester) __Admin. Title __________________

Time devoted to University work according to official appointment: ___ Full Time; ___ ¾; ___ ½; ___ ½; ___ ¼; ___ Time.

TEACHING: Teaching program for the current academic year was reported to the Bureau of Institutional Research as ______ percent of full load in the fall semester and _____ percent in the spring semester. (Department secretary may fill in this information.)

RESEARCH: Percent of official appointment time devoted to research was reported to the Bureau of Institutional Research as ______ percent of a full load in the fall semester and _____ percent in the spring semester. Major projects and areas of specialization are:

OTHER DUTIES: University duties not directly credited to teaching and research occupy an average of ______ clock hours per week. The principal time-consuming duties are:

MEMBERSHIP ON COMMITTEES:

Department:

College:

University:

Technical Societies and Advisory Groups:
PROFESSIONAL ACTIVITIES:

New degree, and name of institution granting:

Membership in technical societies and fraternities:
  American Physical Society
  Society of Sigma Xi

Attendance at meetings of technical societies:
  Chicago Meeting of the American Physical Society
  New York Meeting of " "
  " "

Research completed this year or in progress, including individual research, supervision of graduate theses, and research aimed at improvement of teaching:

  Doctoral thesis on "The Production of Mesons by Electrons on Hydrogen" in progress.

Publications — Co-author, Title, Journal or Publisher, Volume, Page, and Date; including reports prepared for limited distribution:

Addresses — Title, organization addressed, and date:
  "Meson Production by Electrons", American Physical Society,
  February 1, 1956.

Voluntary student-faculty activities (for example, attendance at student meetings, participation in them, individual informal counseling with students, entertaining students in your home or elsewhere, etc.):
  Chaperone at two undergraduate dances.
  Teaching a student Sunday School class.

Other professional activities, including summer work:
RECORD OF TEACHING, ADMINISTRATION, RESEARCH, AND GENERAL ACTIVITIES

NAME: Robert B. Duffield

Highest Degree: Ph.D.

Academic Rank: Assoc. Prof.

Time devoted to University work according to official appointment: __ Full Time; __ x 1/2; __ 1/2; __ 1/4; __ Time.

TEACHING: Teaching program for the current academic year was reported to the Bureau of Institutional Research as 33 percent of full load in the fall semester and 50 percent in the spring semester. (Department secretary may fill in this information.)

RESEARCH: Percent of official appointment time devoted to research was reported to the Bureau of Institutional Research as 17 percent of a full load in the fall semester and _____ percent in the spring semester. Major projects and areas of specialization are:

OTHER DUTIES: University duties not directly credited to teaching and research occupy an average of _____ clock hours per week. The principal time-consuming duties are:

MEMBERSHIP ON COMMITTEES:

Department: Social

College: Nuclear Technology

University: Radiation Hazards Committee
PROFESSIONAL ACTIVITIES:

New degree, and name of institution granting:

Membership in technical societies and fraternities:

American Physical Society, American Chemical Society

Attendance at meetings of technical societies:

American Physical Society, Nov. 1955 and May 1956

Research completed this year or in progress, including individual research, supervision of graduate theses, and research aimed at improvement of teaching:

1. Radioactivity of Cs\textsuperscript{138} (completed)
2. Decay scheme of La\textsuperscript{138} (in progress)
3. Search for short-lived isomeric states (one phase complete)
4. Photofission of U\textsuperscript{238} and Th\textsuperscript{232} (one phase complete)

Publications — Co-author, Title, Journal or Publisher, Volume, Page, and Date; including reports prepared for limited distribution:


Addresses — Title, organization addressed, and date:

1. Radioactivity of Cs\textsuperscript{138}, American Physical Society, Nov. 1955
2. Short-lived isomers, " " " , April 1956

Voluntary student-faculty activities (for example, attendance at student meetings, participation in them, individual informal counseling with students, entertaining students in your home or elsewhere, etc.):

Other professional activities, including summer work:

Consultant to Los Alamos Scientific Laboratory, summer 1955
UNIVERSITY OF ILLINOIS
COLLEGE OF ENGINEERING — DEPARTMENT OF Physics

May 1, 1955 to April 30, 1956

RECORD OF TEACHING, ADMINISTRATION, RESEARCH, AND GENERAL ACTIVITIES

NAME Arnold M. Feingold

Highest Degree Ph.D.

Academic Rank Asst. Prof.

Admin. Title

Time devoted to University work according to official appointment: ___ Full Time; ___ 3/4; ___ 3/8; ___ 1/2; ___ 1/8; ___ 1/4; ___ Time.

TEACHING: Teaching program for the current academic year was reported to the Bureau of Institutional Research as 100 percent of full load in the fall semester and 100 percent in the spring semester. (Department secretary may fill in this information.)

RESEARCH: Percent of official appointment time devoted to research was reported to the Bureau of Institutional Research as ______ percent of a full load in the fall semester and ______ percent in the spring semester. Major projects and areas of specialization are:

OTHER DUTIES: University duties not directly credited to teaching and research occupy an average of ______ clock hours per week. The principal time-consuming duties are:

MEMBERSHIP ON COMMITTEES:

Department: Seminars (Nuclear)

College:

University:

Technical Societies and Advisory Groups:
PROFESSIONAL ACTIVITIES:

New degree, and name of institution granting:

Membership in technical societies and fraternities:

- American Institute of Physics
- American Physical Society
- American Association of Physics Teachers
- Sigma Xi

Attendance at meetings of technical societies:


Research completed this year or in progress, including individual research, supervision of graduate theses, and research aimed at improvement of teaching:

- Tensor force effects on level structure of light nuclei
- Origin of intermediate coupling nuclear model.
- Beta-decay of C14

Publications — Co-author, Title, Journal or Publisher, Volume, Page, and Date; including reports prepared for limited distribution:


Addresses — Title, organization addressed, and date:


Voluntary student-faculty activities (for example, attendance at student meetings, participation in them, individual informal counseling with students, entertaining students in your home or elsewhere, etc.):

Other professional activities, including summer work:
RECORD OF TEACHING, ADMINISTRATION, RESEARCH, AND GENERAL ACTIVITIES

NAME: Hans Frauenfelder
Highest Degree: Ph.D.

Academic Rank: Asst. Prof.
Admin. Title:

Time devoted to University work according to official appointment: _Full Time; _3/4; _1/2; _1/3; _1/4; _Time.

TEACHING:
Teaching program for the current academic year was reported to the Bureau of Institutional Research as 100 percent of full load in the fall semester and 100 percent in the spring semester. (Department secretary may fill in this information.)

RESEARCH:
Percent of official appointment time devoted to research was reported to the Bureau of Institutional Research as _____ percent of a full load in the fall semester and _____ percent in the spring semester. Major projects and areas of specialization are:

1) Nuclear physics: investigation of the levels of even-even nuclei.
2) Influence of external fields on nuclear angular correlation.
3) Penetration depth curve in superconductors.
4) Investigation of nuclear properties by means of radioactivity.

OTHER DUTIES:
University duties not directly credited to teaching and research occupy an average of _____ clock hours per week. The principal time-consuming duties are:

MEMBERSHIP ON COMMITTEES:

Department:

College:

University:

Technical Societies and Advisory Groups:
PROFESSIONAL ACTIVITIES:

New degree, and name of institution granting:

Membership in technical societies and fraternities:
- American Physical Society
- Swiss Physical Society
- Italian Physical Society

Attendance at meetings of technical societies:

- "Meeting of the APS in Washington, D.C., 1972"
- "Conference on Problems of Nuclear Structure, Ann Arbor, June 27-July 1, 1972"

Research completed this year or in progress, including individual research, supervision of graduate theses, and research aimed at improvement of teaching:

- Research completed: Decay of Co$^{58}$
- Graduate Theses: 1) Influence of electron concentration on angular correlation (Rosengren); 2) Penetration depth in superconductor (Lewis); 3) Surface processes (Peacocke)
- Other Research in progress: 4) Decay of Na$^{26}$ (Poni, Levine); 5) Phase transitions

Publications — Co-author, Title, Journal or Publisher, Volume, Page, and Date; including reports prepared for limited distribution:

Addresses — Title, organization addressed, and date:

Recent Results of Angular Correlation
Application of Angular Correlation to Solid-State Physics. Bell Labs. Nov. 15, 1972
A Survey of Directional Correlation
Angular Correlation.

Voluntary student-faculty activities (for example, attendance at student meetings, participation in them, individual informal counseling with students, entertaining students in your home or elsewhere, etc.)

- Regular entertainment of students at home, once / 2 months

Other professional activities, including summer work:

- Seminar on work in the angular correlation group. Once / week
UNIVERSITY OF ILLINOIS
COLLEGE OF ENGINEERING — DEPARTMENT OF Physics

May 1, 1955 to April 30, 1956

RECORD OF TEACHING, ADMINISTRATION, RESEARCH, AND GENERAL ACTIVITIES

NAME Edwin L. Goldwasser

Highest Degree Ph.D.

Academic Rank Asst. Prof.

Admin. Title

Time devoted to University work according to official appointment:  — Full Time; — 3/4; — 3/8; — 1/2; — 1/4, — Time.

TEACHING: Teaching program for the current academic year was reported to the Bureau of Institutional Research as 33 percent of full load in the fall semester and 33 percent in the spring semester. (Department secretary may fill in this information.)

RESEARCH: Percent of official appointment time devoted to research was reported to the Bureau of Institutional Research as 67 percent of a full load in the fall semester and 67 percent in the spring semester. Major projects and areas of specialization are:

Major projects, etc., are: Continued study of photoproduction of \( \pi^+ \) mesons from hydrogen and \( \gamma \) mesons from hydrogen and helium.

Study of photodisintegration of helium at high energies.

OTHER DUTIES: University duties not directly credited to teaching and research occupy an average of 2 clock hours per week. The principal time-consuming duties are:

Department Advisory Committee

MEMBERSHIP ON COMMITTEES:

Department: Advisory

College:

University:

Technical Societies and Advisory Groups:
PROFESSIONAL ACTIVITIES:

New degree, and name of institution granting:

Membership in technical societies and fraternities:
  American Physical Society
  Sigma Xi

Attendance at meetings of technical societies:
  Conference on Elementary Particles, Pisa, Italy, June 1955.
  American Physical Society: Chicago, November 1955
  New York, February 1956.

Research completed this year or in progress, including individual research, supervision of graduate theses, and research aimed at improvement of teaching:
  Performed new experiment measuring the photoproduction of neutral pions from hydrogen and helium for photon energies from threshold to 300 Mev.
  Performed new nuclear emulsion experiment on photodisintegration of helium at high energies.
  Continued analyses of these experiments as well as previously performed work on photoproduction of π⁺ mesons from hydrogen.

Publications — Co-author, Title, Journal or Publisher, Volume, Page, and Date; including reports prepared for limited distribution:

Addresses — Title, organization addressed, and date:

Voluntary student-faculty activities (for example, attendance at student meetings, participation in them, individual informal counseling with students, entertaining students in your home or elsewhere, etc.):
  A few social evenings.

Other professional activities, including summer work:
RECORD OF TEACHING, ADMINISTRATION, RESEARCH, AND GENERAL ACTIVITIES

NAME  Ulrich Gonser  Highest Degree Dr. rer. nat.  (Germany)

Academic Rank  Associate  Admin. Title

Time devoted to University work according to official appointment:  __ Full Time;  ___% ;  ___% ;  ___% ;  ___% ;  ___% ;  ___% Time.

TEACHING:  Teaching program for the current academic year was reported to the Bureau of Institutional Research as  ___ percent of full load in the fall semester and  ___ percent in the spring semester. (Department secretary may fill in this information.)

RESEARCH:  Percent of official appointment time devoted to research was reported to the Bureau of Institutional Research as  ___ percent of a full load in the fall semester and  ___ percent in the spring semester. Major projects and areas of specialization are:

OTHER DUTIES:  University duties not directly credited to teaching and research occupy an average of  ___ clock hours per week. The principal time-consuming duties are:

MEMBERSHIP ON COMMITTEES:

Department:

College:

University:

Technical Societies and Advisory Groups:
PROFESSIONAL ACTIVITIES:

New degree, and name of institution granting:

Membership in technical societies and fraternities:

Bunsengesellschaft (Physikalische Chemie) ; Germany

Attendance at meetings of technical societies:

Chicago ; American Physical Society

Pittsburgh ; American Physical Society

Research completed this year or in progress, including individual research, supervision of graduate theses, and research aimed at improvement of teaching:

Radiation Damage in $\text{Si-Si}$ Compounds (Cyclotron - Bombardement)

X-Ray Studies in $\text{Si-Si}$ Compounds (Superstructure and Heteropolarity)

Publications — Co-author, Title, Journal or Publisher, Volume, Page, and Date; including reports prepared for limited distribution:

Addresses — Title, organization addressed, and date:

Bulletin New Haven Meeting ; American Physical Society

"X-Ray Super-Lattice Lines and Heteropolarity of $\text{InSb}$"

June 1956

Voluntary student-faculty activities (for example, attendance at student meetings, participation in them, individual informal counseling with students, entertaining students in your home or elsewhere, etc.):

Other professional activities, including summer work:
RECORD OF TEACHING, ADMINISTRATION, RESEARCH, AND GENERAL ACTIVITIES

NAME: Uri Haber-Schaim

Highest Degree: Ph.D.

Academic Rank: Associate

Admin. Title:

Time devoted to University work according to official appointment: 
- Full Time
- 3/4
- 2/3
- 1/2
- 1/3
- 1/4
- Time

TEACHING: Teaching program for the current academic year was reported to the Bureau of Institutional Research as percent of full load in the fall semester and percent in the spring semester. (Department secretary may fill in this information.)

RESEARCH: Percent of official appointment time devoted to research was reported to the Bureau of Institutional Research as 100 percent of a full load in the fall semester and 100 percent in the spring semester. Major projects and areas of specialization are:

- Pion Production by 6 Betron Protons (Experimental)
- Pion Nucleon Scattering (Theoretical)

OTHER DUTIES: University duties not directly credited to teaching and research occupy an average of clock hours per week. The principal time-consuming duties are:

MEMBERSHIP ON COMMITTEES:

Department:

College:

University:

Technical Societies and Advisory Groups:
PROFESSIONAL ACTIVITIES:

New degree, and name of institution granting:

Membership in technical societies and fraternities:

A. P. S. Italian P. S.

Attendance at meetings of technical societies:

A. P. S. Chicago, November 1955
A. P. S. Washington, April 1956

Research completed this year or in progress, including individual research, supervision of graduate theses, and research aimed at improvement of teaching:

1) Angular Distribution of Foss Particles produced by 6 Bev Protons in Emulsion. (completed)
2) Further Study of Collisions produced by 6 Bev Protons including Elatic Scattering. (in progress) In collaboration with G. Ascidi.
3) Applications of Dispersion Relations to Pion Nucleon Scattering. In collaboration with G. F. Chew.

Publications — Co-author, Title, Journal or Publisher, Volume, Page, and Date; including reports prepared for limited distribution:

The Pion Nucleon Coupling Constant and Scattering Phase Shifts. Preprint, April 1956.

Addresses — Title, organization addressed, and date:

"Proton Nucleus Collisions at 6 Bev". A. P. S. Chicago, Nov. 1955
"The Pion Nucleon Coupling Constant", with G. F. Chew. A. P. S. Washington, April 1956
"Dispersion Relations and Pion Nucleon Scattering". Inst. for Advanced Study, Princeton, April 1956

Voluntary student-faculty activities (for example, attendance at student meetings, participation in them, individual informal counseling with students, entertaining students in your home or elsewhere, etc.):

Other professional activities, including summer work:

Seminar on Causality and Dispersion Relations, with Y. Yamaguchi and J. Hooke and graduate students. Summer 1955.
UNIVERSITY OF ILLINOIS
COLLEGE OF ENGINEERING — DEPARTMENT OF Physics

May 1, 1955 to April 30, 1956

RECORD OF TEACHING, ADMINISTRATION, RESEARCH, AND GENERAL ACTIVITIES

NAME: Richard Robb Hake

Highest Degree: Ph.D.

Academic Rank: Associate

Time devoted to University work according to official appointment: Full Time; ¾; ½; ¾; Time.

TEACHING: Teaching program for the current academic year was reported to the Bureau of Institutional Research as percent of full load in the fall semester and percent in the spring semester. (Department secretary may fill in this information.)

RESEARCH: Percent of official appointment time devoted to research was reported to the Bureau of Institutional Research as 100 percent of a full load in the fall semester and 100 percent in the spring semester. Major projects and areas of specialization are:

OTHER DUTIES: University duties not directly credited to teaching and research occupy an average of 0 clock hours per week. The principal time-consuming duties are:

MEMBERSHIP ON COMMITTEES:

Department: None

College: None

University: None

Technical Societies and Advisory Groups: None
PROFESSIONAL ACTIVITIES:

New degree, and name of institution granting: —

Membership in technical societies and fraternities:

American Institute of Physics
Sigma Xi
Tau Beta Pi
Sigma Tau

Attendance at meetings of technical societies:

Attended National Science Foundation Conference on Low Temperature Physics and Chemistry at Baton Rouge, Louisiana; Dec. 28-30, 1955

Research completed this year or in progress, including individual research, supervision of graduate theses, and research aimed at improvement of teaching:

In Progress:

Measurement of the Isotope Shift in the Superconducting Transition of Lead Isotopes.

Development of 1500 gauss liquid nitrogen cooled air solenoid.

Publications — Co-author, Title, Journal or Publisher, Volume, Page, and Date; including reports prepared for limited distribution:


Addresses — Title, organization addressed, and date:

1) "The Effect of Pressure on the Superconducting Transition of Lead" at National Science Foundation Conference on Low Temperature Physics and Chemistry at Baton Rouge, Louisiana; Dec. 28-30, 1955

2) "High Pressure Experiments on Superconductors" at Physics Dept. Colloquium, Dec. 15, 1955

Voluntary student-faculty activities (for example, attendance at student meetings, participation in them, individual informal counseling with students, entertaining students in your home or elsewhere, etc.): None

Other professional activities, including summer work: None
UNIVERSITY OF ILLINOIS
COLLEGE OF ENGINEERING — DEPARTMENT OF Physics

May 1, 1955 to April 30, 1956

RECORD OF TEACHING, ADMINISTRATION, RESEARCH, AND GENERAL ACTIVITIES

NAME: Alfred O. Hanson

Highest Degree: Ph.D.

Academic Rank: Professor

Admin. Title:

Time devoted to University work according to official appointment: Full Time; ¾; ½; ½; ½ Time.

TEACHING: Teaching program for the current academic year was reported to the Bureau of Institutional Research as percent of full load in the fall semester and percent in the spring semester. (Department secretary may fill in this information.)

RESEARCH: Percent of official appointment time devoted to research was reported to the Bureau of Institutional Research as percent of a full load in the fall semester and percent in the spring semester. Major projects and areas of specialization are:

OTHER DUTIES: University duties not directly credited to teaching and research occupy an average of clock hours per week. The principal time-consuming duties are:

On leave of absence, spending the year at the University of Turina, in Italy.

MEMBERSHIP ON COMMITTEES:

Department:

College:

University:

Technical Societies and Advisory Groups:
PROFESSIONAL ACTIVITIES:

New degree, and name of institution granting:

Membership in technical societies and fraternities:

Attendance at meetings of technical societies:

Research completed this year or in progress, including individual research, supervision of graduate theses, and research aimed at improvement of teaching:

Publications — Co-author, Title, Journal or Publisher, Volume, Page, and Date; including reports prepared for limited distribution:

Addresses — Title, organization addressed, and date:

Voluntary student-faculty activities (for example, attendance at student meetings, participation in them, individual informal counseling with students, entertaining students in your home or elsewhere, etc.):

Other professional activities, including summer work:
RECORD OF TEACHING, ADMINISTRATION, RESEARCH, AND GENERAL ACTIVITIES

NAME    Robert D. Hill
Highest Degree Sc.D.

Academic Rank Professor Admin. Title

Time devoted to University work according to official appointment: X Full Time; ¾; ½; ¼ Time.

TEACHING: Teaching program for the current academic year was reported to the Bureau of Institutional Research as 100 percent of full load in the fall semester and 100 percent in the spring semester. (Department secretary may fill in this information.)

RESEARCH: Percent of official appointment time devoted to research was reported to the Bureau of Institutional Research as ______ percent of a full load in the fall semester and ______ percent in the spring semester. Major projects and areas of specialization are:

OTHER DUTIES: University duties not directly credited to teaching and research occupy an average of ______ clock hours per week. The principal time-consuming duties are:

MEMBERSHIP ON COMMITTEES:
Department: Graduate Studies and Exams
Physics Library

College:

University:

Technical Societies and Advisory Groups:
PROFESSIONAL ACTIVITIES:

New degree, and name of institution granting:

Membership in technical societies and fraternities:

American Physical Society

Attendance at meetings of technical societies:

American Physical Society, Chicago, November 1955

Research completed this year or in progress, including individual research, supervision of graduate theses, and research aimed at improvement of teaching:

Publications — Co-author, Title, Journal or Publisher, Volume, Page, and Date; including reports prepared for limited distribution:

Addresses — Title, organization addressed, and date:


Voluntary student-faculty activities (for example, attendance at student meetings, participation in them, individual informal counseling with students, entertaining students in your home or elsewhere, etc.):

Other professional activities, including summer work:


UNIVERSITY OF ILLINOIS
COLLEGE OF ENGINEERING — DEPARTMENT OF Physics

May 1, 1955 to April 30, 1956

RECORD OF TEACHING, ADMINISTRATION, RESEARCH, AND GENERAL ACTIVITIES

NAME  Robert I. Hulsizer

Highest Degree  Ph.D.

Academic Rank  Professor

Admin. Title

Time devoted to University work according to official appointment:  x Full Time;  3/4;  2/3;  1/2;  1/3;  1/4;  Time.

TEACHING:  Teaching program for the current academic year was reported to the Bureau of Institutional Research as 50 percent of full load in the fall semester and 50 percent in the spring semester. (Department secretary may fill in this information.)

RESEARCH:  Percent of official appointment time devoted to research was reported to the Bureau of Institutional Research as 50 percent of a full load in the fall semester and 50 percent in the spring semester. Major projects and areas of specialization are:

50% of his salary pd. by C.S.L.

OTHER DUTIES:  University duties not directly credited to teaching and research occupy an average of _______ clock hours per week. The principal time-consuming duties are:

MEMBERSHIP ON COMMITTEES:

Department:

College:

University:

Technical Societies and Advisory Groups:

Member of Board of Editors of the Review of Scientific Instruments.
PROFESSIONAL ACTIVITIES:

New degree, and name of institution granting:

Membership in technical societies and fraternities:
- American Physical Society, Fellow
- Society of Sigma Xi
- American Institute of Physics

Attendance at meetings of technical societies:
- Chicago meeting of the American Physical Society, Nov. 26, 1955
- Annual meeting of the am. Phys Soc. at New York, February 1956

Research completed this year or in progress, including individual research, supervision of graduate theses, and research aimed at improvement of teaching:

Publications — Co-author, Title, Journal or Publisher, Volume, Page, and Date; including reports prepared for limited distribution:

Publications limited to classified report for Department

Addresses — Title, organization addressed, and date:

Physics Colloquium on the Application of High Speed Digital Computers to Physics Research at Washington Univ. February or March, 1956

Voluntary student-faculty activities (for example, attendance at student meetings, participation in them, individual informal counseling with students, entertaining students in your home or elsewhere, etc.):

Faculty advisor of the Christian Science Organization
Chairman for S K dances, hayrides; member R.W.A.

Other professional activities, including summer work:
RECORD OF TEACHING, ADMINISTRATION, RESEARCH, AND GENERAL ACTIVITIES

NAME: Nicolas Inchauspe

Highest Degree: Doctorat de l'Univ. Paris

Academic Rank: Associate

Administrative Title: 

Time devoted to University work according to official appointment: [ ] Full Time; [ ] 3/4; [ ] 1/2; [ ] 1/4; [ ] Part Time.

TEACHING: Teaching program for the current academic year was reported to the Bureau of Institutional Research as ______ percent of full load in the fall semester and ______ percent in the spring semester. (Department secretary may fill in this information.)

RESEARCH: Percent of official appointment time devoted to research was reported to the Bureau of Institutional Research as ______ percent of a full load in the fall semester and ______ percent in the spring semester. Major projects and areas of specialization are:

OTHER DUTIES: University duties not directly credited to teaching and research occupy an average of ______ clock hours per week. The principal time-consuming duties are:

MEMBERSHIP ON COMMITTEES:

Department:

College:

University:

Technical Societies and Advisory Groups:
PROFESSIONAL ACTIVITIES:

New degree, and name of institution granting:

Membership in technical societies and fraternities:

Attendance at meetings of technical societies: Pittsburgh Meeting of the Physical Soc. Washington Meeting of the Physical Society.

Research completed this year or in progress, including individual research, supervision of graduate theses, and research aimed at improvement of teaching:

Photoconductivity on KBr, in the UV.
Calculation of the position of the "greek" bands in alkali-halide crystals (with Bassani)

Publications — Co-author, Title, Journal or Publisher, Volume, Page, and Date; including reports prepared for limited distribution:

Addresses — Title, organization addressed, and date:

Voluntary student-faculty activities (for example, attendance at student meetings, participation in them, individual informal counseling with students, entertaining students in your home or elsewhere, etc.):

Other professional activities, including summer work:
UNIVERSITY OF ILLINOIS
COLLEGE OF ENGINEERING — DEPARTMENT OF Physics

May 1, 1955 to April 30, 1956

RECORD OF TEACHING, ADMINISTRATION, RESEARCH, AND GENERAL ACTIVITIES

NAME Willibald K. Jentschke

Academic Rank Professor

Highest Degree Dr. Phil. (Austria)

Time devoted to University work according to official appointment: Full Time; ¾; ½; ½; ½; ½; ½; Time.

TEACHING: Teaching program for the current academic year was reported to the Bureau of Institutional Research as 75 percent of full load in the fall semester and 75 percent in the spring semester. (Department secretary may fill in this information.)

RESEARCH: Percent of official appointment time devoted to research was reported to the Bureau of Institutional Research as 25 percent of a full load in the fall semester and 25 percent in the spring semester. Major projects and areas of specialization are:

OTHER DUTIES: University duties not directly credited to teaching and research occupy an average of clock hours per week. The principal time-consuming duties are:

MEMBERSHIP ON COMMITTEES:

Department: 

College: 

University:

Technical Societies and Advisory Groups:
PROFESSIONAL ACTIVITIES:

New degree, and name of institution granting:


Attendance at meetings of technical societies: Chicago meeting of the Am. Phys. Soc.
New York meeting and Washington meeting 1956

Research completed this year or in progress, including individual research, supervision of graduate theses, and research aimed at improvement of teaching:

The following theses under my supervision have been completed: The investigation of excited states in Beryllium 8 by the scattering of \( \alpha \)-particles off helium. \( \alpha - \gamma \) angular correlation of Am\(^{241}\) and the decay of Polonium 211. Polarization measurements of Protons from \((d,p)\) reactions

Publications — Co-author, Title, Journal or Publisher, Volume, Page, and Date; including reports prepared for limited distribution:


Voluntary student-faculty activities (for example, attendance at student meetings, participation in them, individual informal counseling with students, entertaining students in your home or elsewhere, etc.):

Other professional activities, including summer work: 

-----

------
RECORD OF TEACHING, ADMINISTRATION, RESEARCH, AND GENERAL ACTIVITIES

NAME: Stig D. Johansson
Academic Rank: Associate
Highest Degree: Filosofie magister (Sweden)

Time devoted to University work according to official appointment: X Full Time; ___ 3/4; ___ 2/3; ___ 1/2; ___ 1/3; ___ 1/4; ___ Time.

TEACHING: Teaching program for the current academic year was reported to the Bureau of Institutional Research as _____ percent of full load in the fall semester and _____ percent in the spring semester. (Department secretary may fill in this information.)

RESEARCH: Percent of official appointment time devoted to research was reported to the Bureau of Institutional Research as 100 percent of a full load in the fall semester and 100 percent in the spring semester. Major projects and areas of specialization are:

OTHER DUTIES: University duties not directly credited to teaching and research occupy an average of _____ clock hours per week. The principal time-consuming duties are:

MEMBERSHIP ON COMMITTEES:

Department:

College:

University:

Technical Societies and Advisory Groups:
PROFESSIONAL ACTIVITIES:

New degree, and name of institution granting:

Membership in technical societies and fraternities:

Attendance at meetings of technical societies:

Research completed this year or in progress, including individual research, supervision of graduate theses, and research aimed at improvement of teaching:


Addresses — Title, organization addressed, and date:

Voluntary student-faculty activities (for example, attendance at student meetings, participation in them, individual informal counseling with students, entertaining students in your home or elsewhere, etc.):

Other professional activities, including summer work:
UNIVERSITY OF ILLINOIS

COLLEGE OF ENGINEERING — DEPARTMENT OF Physics

May 1, 1955 to April 30, 1956

RECORD OF TEACHING, ADMINISTRATION, RESEARCH, AND GENERAL ACTIVITIES

NAME Walter John

Highest Degree Ph.D.

Academic Rank Instructor

Admin. Title

Time devoted to University work according to official appointment: Full Time; ¾; ½; ⅓; ⅕; Time.

TEACHING: Teaching program for the current academic year was reported to the Bureau of Institutional Research as 100 percent of full load in the fall semester and 100 percent in the spring semester. (Department secretary may fill in this information.)

RESEARCH: Percent of official appointment time devoted to research was reported to the Bureau of Institutional Research as percent of a full load in the fall semester and percent in the spring semester. Major projects and areas of specialization are: Nuclear physics research at the 300 Mev. betatron. Working with a group preparing experiments to investigate the photoproduction of π⁻ mesons from hydrogen and helium.

OTHER DUTIES: University duties not directly credited to teaching and research occupy an average of clock hours per week. The principal time-consuming duties are:

MEMBERSHIP ON COMMITTEES:

Department: Open House Committee

College:

University:

Technical Societies and Advisory Groups:
PROFESSIONAL ACTIVITIES:

New degree, and name of institution granting:

Membership in technical societies and fraternities:

Tau Beta Pi
Sigma Xi

Attendance at meetings of technical societies:

Research completed this year or in progress, including individual research, supervision of graduate theses, and research aimed at improvement of teaching:

See front page.
Editing lab manual revision for 106-7-8.

Publications—Co-author, Title, Journal or Publisher, Volume, Page, and Date; including reports prepared for limited distribution:

Addresses—Title, organization addressed, and date:

"Excitation Functions for Alpha-Induced Reactions on Lead",
Chicago Meeting of the American Physical Society, Nov., 1955

Voluntary student-faculty activities (for example, attendance at student meetings, participation in them, individual informal counseling with students, entertaining students in your home or elsewhere, etc.):

Other professional activities, including summer work:

Note:—This report covers activities since arrival at Illinois Sept '55.
RECORD OF TEACHING, ADMINISTRATION, RESEARCH, AND GENERAL ACTIVITIES

NAME: Arnold H. Kahn
Highest Degree: Ph.D.

Academic Rank: Associate
Admin. Title:

Time devoted to University work according to official appointment: Full Time; 3/4; 2/3; 1/2; 1/3; 1/4; Time.

TEACHING: Teaching program for the current academic year was reported to the Bureau of Institutional Research as ______ percent of full load in the fall semester and ______ percent in the spring semester. (Department secretary may fill in this information.)

RESEARCH: Percent of official appointment time devoted to research was reported to the Bureau of Institutional Research as 100 percent of a full load in the fall semester and 100 percent in the spring semester. Major projects and areas of specialization are:

OTHER DUTIES: University duties not directly credited to teaching and research occupy an average of ______ clock hours per week. The principal time-consuming duties are:

MEMBERSHIP ON COMMITTEES:
Department:

College:

University:

Technical Societies and Advisory Groups:
PROFESSIONAL ACTIVITIES:

New degree, and name of institution granting:

Membership in technical societies and fraternities:

\[\text{SIGMA XI, AMERICAN PHYSICAL SOCIETY}\]

Attendance at meetings of technical societies:

\[\text{AM. PHYS. SOC, CHICAGO, NEW YORK, PITTSBURGH MEETINGS}\]

Research completed this year or in progress, including individual research, supervision of graduate theses, and research aimed at improvement of teaching:

\[\text{STUDY OF X-RAY DETECTION OF DEFECTS INDUCED BY FAST PARTICLE IRRADIATION, IN PROGRESS,}\]

Publications — Co-author, Title, Journal or Publisher, Volume, Page, and Date; including reports prepared for limited distribution:

Addresses — Title, organization addressed, and date:

\[\text{ON THE X-RAY OBSERVATION OF VACANCY-INTERITIAL PAIRS IN IRRADIATED Cu, AMERICAN PHYSICAL SOCIETY, MARCH 16, 1956}\]

Voluntary student-faculty activities (for example, attendance at student meetings, participation in them, individual informal counseling with students, entertaining students in your home or elsewhere, etc.):

Other professional activities, including summer work:
UNIVERSITY OF ILLINOIS
COLLEGE OF ENGINEERING — DEPARTMENT OF ___Physics_____

May 1, 1955 to April 30, 1956

RECORD OF TEACHING, ADMINISTRATION, RESEARCH, AND GENERAL ACTIVITIES

NAME ___________________________ Highest Degree ________

Academic Rank Professor Admin. Title ___________________________

Time devoted to University work according to official appointment: ☑ Full Time; __/%; __/%; __/%; __/%; __/%; __/%; __/%; __ Time.

TEACHING: Teaching program for the current academic year was reported to the Bureau of Institutional Research as ___ percent of full load in the fall semester and ___ percent in the spring semester. (Department secretary may fill in this information.)

RESEARCH: Percent of official appointment time devoted to research was reported to the Bureau of Institutional Research as ___ percent of a full load in the fall semester and ___ percent in the spring semester. Major projects and areas of specialization are:

OTHER DUTIES: University duties not directly credited to teaching and research occupy an average of _________ clock hours per week. The principal time-consuming duties are:

MEMBERSHIP ON COMMITTEES:

Department:

College:

University:

Technical Societies and Advisory Groups:
PROFESSIONAL ACTIVITIES:

New degree, and name of institution granting:

Membership in technical societies and fraternities:
- National Academy of Science
- Phi Kappa Phi
- Sigma Xi
- American Physical Society

Attendance at meetings of technical societies:
- American Physical Society: Chicago, Nov. 1955 (Chairman, Section B)
- New York, Jan. 1956

Rochester Conference

Research completed this year or in progress, including individual research, supervision of graduate theses, and research aimed at improvement of teaching:

MURA developments on the fixed field alternating gradient accelerators

Publications — Co-author, Title, Journal or Publisher, Volume, Page, and Date; including reports prepared for limited distribution:


Addresses — Title, organization addressed, and date:
  - "Synchrotron Application of Reverse Field Types of Fixed Field Alternating Gradient Magnets."
  - "Application of the Fixed Field Alternating Gradient Principle to Betatrons and Cyclotrons"
  - "Fixed Field Alternating Gradient Accelerator with Spirally Ridged Poles"

Voluntary student-faculty activities (for example, attendance at student meetings, participation in them, individual informal counseling with students, entertaining students in your home or elsewhere, etc.):
- "Betatron and Accelerator Development at the University of Illinois" E.E. Seminar, Univ. of Illinois

Other professional activities, including summer work:
- Midwestern Universities Research Association 9a:
  1. Arranging and directing technical group
  2. Directing technical work during summer at Univ. of Michigan
  3. Attending Board Meetings and Site Committee meetings for MURA.
RECORD OF TEACHING, ADMINISTRATION, RESEARCH, AND GENERAL ACTIVITIES

NAME: James S. Koehler

Highest Degree: Ph.D.

Academic Rank: Professor

Admin. Title:

Time devoted to University work according to official appointment: 

- Full Time; 
- 3/4; 
- 2/3; 
- 1/2; 
- 1/4; 
- 1/8; 
- 1/16; 

TEACHING:

Teaching program for the current academic year was reported to the Bureau of Institutional Research as 100 percent of full load in the fall semester and 100 percent in the spring semester. (Department secretary may fill in this information.)

RESEARCH:

Percent of official appointment time devoted to research was reported to the Bureau of Institutional Research as ______ percent of a full load in the fall semester and ______ percent in the spring semester. Major projects and areas of specialization are:

OTHER DUTIES: University duties not directly credited to teaching and research occupy an average of ______ clock hours per week. The principal time-consuming duties are:

MEMBERSHIP ON COMMITTEES:

Department: Library

College: Engineering--Social (I)

University:

Technical Societies and Advisory Groups:
PROFESSIONAL ACTIVITIES:

New degree, and name of institution granting:

Membership in technical societies and fraternities:

American Physical Society

Attendance at meetings of technical societies:

American Physical Society: Pittsburgh, March 1956
Washington, D.C., April 1956

Research completed this year or in progress, including individual research, supervision of graduate theses, and research aimed at improvement of teaching:

Supervised Ph.D. theses (completed):
J.W. Kauffman--The Quenching in of Lattice Vacancies in Pure Gold
T.S. Noggle--The Electron Microscopy of Al Crystals Deformed at Various Temperatures
D.N. Beshers--Internal Friction of Copper and Copper Alloys
J.W. Henderson--Low Temperature Release of Stored Energy in Cold-Worked Copper.

Publications — Co-author, Title, Journal or Publisher, Volume, Page, and Date; including reports prepared for limited distribution:
Radiation Disarrangement in Crystals. (with F. Seitz) Impurities and Imperfections,

Addresses — Title, organization addressed, and date:

Voluntary student-faculty activities (for example, attendance at student meetings, participation in them, individual informal counseling with students, entertaining students in your home or elsewhere, etc.):

Other professional activities, including summer work:
Amer. Soc. of Metals—Seminar Committee
Three weeks at Oak Ridge National Laboratory, summer 1955.
UNIVERSITY OF ILLINOIS
COLLEGE OF ENGINEERING — DEPARTMENT OF Physics

May 1, 1955 to April 30, 1956

RECORD OF TEACHING, ADMINISTRATION, RESEARCH, AND GENERAL ACTIVITIES

NAME Louis J. Koester

Highest Degree Ph.D.

Academic Rank Asst. Prof.

Admin. Title

Time devoted to University work according to official appointment: 100% Full Time; 3/4; 1/2; 1/3; 1/4; ______ Time.

TEACHING: Teaching program for the current academic year was reported to the Bureau of Institutional Research as _______ percent of full load in the fall semester and _______ percent in the spring semester. (Department secretary may fill in this information.)

RESEARCH: Percent of official appointment time devoted to research was reported to the Bureau of Institutional Research as _______ percent of a full load in the fall semester and _______ percent in the spring semester. Major projects and areas of specialization are:

Meson - nucleon interactions; photoproduction of \( \pi^0 \) mesons.

OTHER DUTIES: University duties not directly credited to teaching and research occupy an average of _______ clock hours per week. The principal time-consuming duties are:

MEMBERSHIP ON COMMITTEES:

Department: Nuclear seminars, social committee.

College:

University:

Technical Societies and Advisory Groups: American Physical Society meetings:
PROFESSIONAL ACTIVITIES:

New degree, and name of institution granting:

Membership in technical societies and fraternities:

American Physical Society
Society of the Sigma Xi.

Attendance at meetings of technical societies:

American Physical Society meetings:
Chicago, Illinois, November 25-26, 1955
New York, New York, January 30 - February 3, 1956

Research completed this year or in progress, including individual research, supervision of graduate theses, and research aimed at improvement of teaching:

Further analysis of \( \pi^0 \) photoproduction in hydrogen and helium. A new experiment with E. L. Goldwasser extended the hydrogen cross sections to higher energies. In this same experiment, the activation curve of \( \pi^0 \) mesons from helium was measured from threshold to 300 Mev and compared directly with that from hydrogen. A new experiment on angular distributions is in preparation.

Publications — Co-author, Title, Journal or Publisher, Volume, Page, and Date; including reports prepared for limited distribution:

"The Relation between Photoproduction & Scattering of \( \pi^0 \) Mesons in Hydrogen", an ozalid reproduction prepared for limited distribution in June, 1955.

Addresses — Title, organization addressed, and date:


Voluntary student-faculty activities (for example, attendance at student meetings, participation in them, individual informal counseling with students, entertaining students in your home or elsewhere, etc.):

Other professional activities, including summer work:
RECORD OF TEACHING, ADMINISTRATION, RESEARCH, AND GENERAL ACTIVITIES

NAME: P. Gerald Kruger

Highest Degree: Ph.D.

Academic Rank: Professor

Admin. Title:

Time devoted to University work according to official appointment:  X  Full Time;  3/4;  2/3;  1/2;  1/3;  1/4;  Time.

TEACHING:  Teaching program for the current academic year was reported to the Bureau of Institutional Research as 100 percent of full load in the fall semester and ______ percent in the spring semester. (Department secretary may fill in this information.)

RESEARCH:  Percent of official appointment time devoted to research was reported to the Bureau of Institutional Research as ______ percent of a full load in the fall semester and ______ percent in the spring semester. Major projects and areas of specialization are:

On leave without pay March 16-August 31, 1956, to serve as Acting Director of Midwest Universities Research Association.

OTHER DUTIES:  University duties not directly credited to teaching and research occupy an average of ______ clock hours per week. The principal time-consuming duties are:

MEMBERSHIP ON COMMITTEES:

Department: Foreign Language Committee

College:

University: Individual Member representing University of Illinois on Midwestern Universities Research Association Board of Directors.

Technical Societies and Advisory Groups: None
PROFESSIONAL ACTIVITIES:

New degree, and name of institution granting:
None

Membership in technical societies and fraternities:
- American Physical Society
- Sigma Xi
- American Association of Physics Teachers
- Phi Kappa Phi

Attendance at meetings of technical societies:
- Physical Society Meeting, Chicago, November 25th & 26th.
- Physical Society Meeting, Washington, April 26, 27, 28th.

Research completed this year or in progress, including individual research, supervision of graduate theses, and research aimed at improvement of teaching:
- Cooperative research with personnel at Argonne National Laboratory concerning the radiation of glioblastoma in mice.

Publications — Co-author, Title, Journal or Publisher, Volume, Page, and Date; including reports prepared for limited distribution:

Addresses — Title, organization addressed, and date:
None

Voluntary student-faculty activities (for example, attendance at student meetings, participation in them, individual informal counseling with students, entertaining students in your home or elsewhere, etc.):

Other professional activities, including summer work:

President, Board of Directors, Midwestern Universities Research Association to March, 1956, and Director of Midwestern Universities Research Association from March 16th to August 31, 1956.
May 1, 1955 to April 30, 1956

RECORD OF TEACHING, ADMINISTRATION, RESEARCH, AND GENERAL ACTIVITIES

NAME Leo S. Lavatelli
Highest Degree Ph.D.

Academic Rank Assoc. Prof.
Admin. Title

Time devoted to University work according to official appointment: Full Time; ; ; ; Time.

TEACHING:
Teaching program for the current academic year was reported to the Bureau of Institutional Research as percent of full load in the fall semester and percent in the spring semester. (Department secretary may fill in this information.)

RESEARCH:
Percent of official appointment time devoted to research was reported to the Bureau of Institutional Research as % percent of a full load in the fall semester and % percent in the spring semester. Major projects and areas of specialization are:

OTHER DUTIES: University duties not directly credited to teaching and research occupy an average of clock hours per week. The principal time-consuming duties are:

50% in ESL

MEMBERSHIP ON COMMITTEES:

Department: Technical Clubs
Open House

College: Exhibits & Tours

University:

Technical Societies and Advisory Groups:
PROFESSIONAL ACTIVITIES:

New degree, and name of institution granting:

Membership in technical societies and fraternities:

Attendance at meetings of technical societies:

Research completed this year or in progress, including individual research, supervision of graduate theses, and research aimed at improvement of teaching:

Low energy meson spectrum from high energy (9.6 BeV) proton-nuclei encounters - in progress with R. D. Hill

CSL: Monte Carlo investigation of false alarm rates and weak signal detectabilities of automatic radar data processors with the Illiac.

Publications - Co-author, Title, Journal or Publisher, Volume, Page, and Date; including reports prepared for limited distribution:


Addresses - Title, organization addressed, and date:

Voluntary student-faculty activities (for example, attendance at student meetings, participation in them, individual informal counseling with students, entertaining students in your home or elsewhere, etc.):

Other professional activities, including summer work:
UNIVERSITY OF ILLINOIS
COLLEGE OF ENGINEERING — DEPARTMENT OF ___ Physics ___

May 1, 1955 to April 30, 1956

RECORD OF TEACHING, ADMINISTRATION, RESEARCH, AND GENERAL ACTIVITIES

NAME David Lazarus

Highest Degree Ph.D.

Academic Rank Assoc. Prof.

Admin. Title

Time devoted to University work according to official appointment: ___ Full Time; ___ ¾; ___ ½; ___ ⅓; ___ ⅙; ___ Time.

TEACHING: Teaching program for the current academic year was reported to the Bureau of Institutional Research as ___ percent of full load in the fall semester and ___ percent in the spring semester. (Department secretary may fill in this information.)

RESEARCH: Percent of official appointment time devoted to research was reported to the Bureau of Institutional Research as ___ percent of a full load in the fall semester and ___ percent in the spring semester. Major projects and areas of specialization are:

On ___ research appointment but is directing theses of three graduate students who are registered for 3 units each.

50% paid by C. S. L.

OTHER DUTIES: University duties not directly credited to teaching and research occupy an average of ___ clock hours per week. The principal time-consuming duties are:

MEMBERSHIP ON COMMITTeES:

Department: Control Systems Lab Executive Committee

College:

University:

Technical Societies and Advisory Groups:
PROFESSIONAL ACTIVITIES:

New degree, and name of institution granting:

Membership in technical societies and fraternities:

American Physical Society
Sigma Xi

Attendance at meetings of technical societies:

American Physical Society - Chicago, November 1955
- Pittsburgh, March 1956

Research completed this year or in progress, including individual research, supervision of graduate theses, and research aimed at improvement of teaching:

A. Graduate theses - completed - A. B. Kuper, Diffusion of Cu and Zn in ordered and disordered CuZn.
   C. A. Mackdett - Diffusion of Fe, Co, and Ni in Cu.
   in progress - A. Schoen - Diffusion in Aged and AgIn
   J. Manning - Diffusion with chemical gradients

B. Individual Research - completed - Diffusion in AgZn
   in progress - Diffusion of Fe in Ag

Publications — Co-author, Title, Journal or Publisher, Volume, Page, and Date; including reports prepared for limited distribution:

“Impurities and Imperfections in Metallic Diffusion,” in
Impurities and Imperfections, American Society for Metals,
Cleveland Ohio (1955) pp 107-120

Addresses— Title, organization addressed, and date:

with A. B. Kuper and C. T. Tomizuka, “Diffusion in Ordered and Disordered CuZn”,
American Physical Society, March 1956

with C. A. Mackdett, “Diffusion of Fe, Ni and Co in Cu”, APS, March 1956

Voluntary student-faculty activities (for example, attendance at student meetings, participation in them, individual informal counseling with students, entertaining students in your home or elsewhere, etc.):

Other professional activities, including summer work:

CSL

Classified research in Control Systems Laboratory.
UNIVERSITY OF ILLINOIS

COLLEGE OF ENGINEERING — DEPARTMENT OF Physics

May 1, 1955 to April 30, 1956

RECORD OF TEACHING, ADMINISTRATION, RESEARCH, AND GENERAL ACTIVITIES

NAME: Andrew Longacre

Highest Degree: Ph.D.

Academic Rank: Professor

Admin. Title:

Time devoted to University work according to official appointment:

Full Time; 3/4; 1/2; 1/4; 1/8 Time.

TEACHING:

Teaching program for the current academic year was reported to the Bureau of Institutional Research as ______ percent of full load in the fall semester and ______ percent in the spring semester. (Department secretary may fill in this information.)

RESEARCH:

Percent of official appointment time devoted to research was reported to the Bureau of Institutional Research as ______ percent of a full load in the fall semester and ______ percent in the spring semester. Major projects and areas of specialization are:

OTHER DUTIES:

University duties not directly credited to teaching and research occupy an average of ______ clock hours per week. The principal time-consuming duties are:

50% CSL and 50% ME Dept.

MEMBERSHIP ON COMMITTEES:

Department:

College:

Chairman: Nuclear Engineering Planning Committee

University:

Chairman: Intercollegiate Nuclear Engineering Cooperative Committee.

Technical Societies and Advisory Groups:

Scientific Advisory Council of the Chief Signal Office

Ballistic Missile Defense Ad Hoc Panel of Scientific Advisory Board USAF
PROFESSIONAL ACTIVITIES:

5. All technical work and reports on classified subjects at C.S.L.
   New degree, and name of institution granting:

   Membership in technical societies and fraternities:

   Attendance at meetings of technical societies:

   Research completed this year or in progress, including individual research, supervision of graduate theses, and
   research aimed at improvement of teaching:

   Publications — Co-author, Title, Journal or Publisher, Volume, Page, and Date; including reports prepared for
   limited distribution:

   Addresses — Title, organization addressed, and date:

   Voluntary student-faculty activities (for example, attendance at student meetings, participation in them, indi-
   vidual informal counseling with students, entertaining students in your home or elsewhere, etc.):

   Other professional activities, including summer work:
UNIVERSITY OF ILLINOIS
COLLEGE OF ENGINEERING — DEPARTMENT OF Physics
May 1, 1955 to April 30, 1956

RECORD OF TEACHING, ADMINISTRATION, RESEARCH, AND GENERAL ACTIVITIES

<table>
<thead>
<tr>
<th>NAME</th>
<th>F. Wheeler Loomis</th>
<th>Highest Degree</th>
<th>Ph.D.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Academic Rank</td>
<td>Professor</td>
<td>Admin. Title</td>
<td>Director, Control Systems Lab.</td>
</tr>
</tbody>
</table>

Time devoted to University work according to official appointment: ___ Full Time; ___ ¾; ___ ½; ___ ⅔; ___ ⅓; ___ Time.

TEACHING: Teaching program for the current academic year was reported to the Bureau of Institutional Research as ______ percent of full load in the fall semester and ______ percent in the spring semester. (Department secretary may fill in this information.)

RESEARCH: Percent of official appointment time devoted to research was reported to the Bureau of Institutional Research as ______ percent of a full load in the fall semester and ______ percent in the spring semester. Major projects and areas of specialization are:

ADMINISTRATION: 100%

OTHER DUTIES: University duties not directly credited to teaching and research occupy an average of ______ clock hours per week. The principal time-consuming duties are:

Administration duties as Head of the Physics Department, and also as Director of the Control Systems Laboratory

MEMBERSHIP ON COMMITTEES:

Department:

College: Executive Committee

University: Faculty Advisory Committee

Misc--Bull. Atomic Scientists Board
Harvard U. Visiting Com. (Physics)
Military-Industrial Conference

Technical Societies and Advisory Groups:

Amer.Inst.Physics--Publications
Amer.Phys.Society--Publications
Amer.Assn.Phys.Teachers--Nominating
Nat.Sci.Foundn.--Div.Cm. for Scientific Personnel and Education
Senior Postdoctoral Fellowship Evaluation
U.S.Govt.--Scientific Advisory, Ballistic Labs.
Scientific Manpower Commission
PROFESSIONAL ACTIVITIES:

New degree, and name of institution granting:

Member: National Academy of Sciences; Amer. Assn. Univ. Professors; Amer. Assn. Physics Teachers; Illinois Academy of Science; Phi Beta Kappa; Sigma Xi; Chaos Club (Chicago and Washington, D.C.)

Attendance at meetings of technical societies:
American Physical Society:

Research completed this year or in progress, including individual research, supervision of graduate theses, and research aimed at improvement of teaching:

Publications — Co-author, Title, Journal or Publisher, Volume, Page, and Date; including reports prepared for limited distribution:

Addresses — Title, organization addressed, and date:

Voluntary student-faculty activities (for example, attendance at student meetings, participation in them, individual informal counseling with students, entertaining students in your home or elsewhere, etc.):

Other professional activities, including summer work:
UNIVERSITY OF ILLINOIS
COLLEGE OF ENGINEERING — DEPARTMENT OF Physics

May 1, 1955 to April 30, 1956

RECORD OF TEACHING, ADMINISTRATION, RESEARCH, AND GENERAL ACTIVITIES

NAME Francis E. Low  Highest Degree Ph.D.

Academic Rank Assoc. Prof.  Admin. Title

Time devoted to University work according to official appointment:  x Full Time;  ¾;  ½;  ¼;  Time.

TEACHING:
Teaching program for the current academic year was reported to the Bureau of Institutional Research as 100 percent of full load in the fall semester and 100 percent in the spring semester. (Department secretary may fill in this information.)

RESEARCH:
Percent of official appointment time devoted to research was reported to the Bureau of Institutional Research as ______ percent of a full load in the fall semester and ______ percent in the spring semester. Major projects and areas of specialization are:

OTHER DUTIES:
University duties not directly credited to teaching and research occupy an average of _____ clock hours per week. The principal time-consuming duties are:

MEMBERSHIP ON COMMITTEES:
Department:  Languages
            Library
            Theoretical Seminar, in charge
            Library

College:  

University:  

Technical Societies and Advisory Groups:  American Physical Society
PROFESSIONAL ACTIVITIES:

New degree, and name of institution granting:

Membership in technical societies and fraternities:

American Physical Society

Attendance at meetings of technical societies:
- Chicago meeting of the APS, Nov., 1955.

Research completed this year or in progress, including individual research, supervision of graduate theses, and research aimed at improvement of teaching:


Publications — Co-author, Title, Journal or Publisher, Volume, Page, and Date; including reports prepared for limited distribution:


Voluntary student-faculty activities (for example, attendance at student meetings, participation in them, individual informal counseling with students, entertaining students in your home or elsewhere, etc.):

Other professional activities, including summer work:
UNIVERSITY OF ILLINOIS

COLLEGE OF ENGINEERING — DEPARTMENT OF _Physics___

May 1, 1955 to April 30, 1956

RECORD OF TEACHING, ADMINISTRATION, RESEARCH, AND GENERAL ACTIVITIES

NAME_ Ernest M. Lyman

Highest Degree_ Ph.D.

Academic Rank_ Professor

Admin. Title_ 

Time devoted to University work according to official appointment: _X_ Full Time; _3/4_; _2/3_; _1/2_; _1/3_; _1/4_; _Time_.

TEACHING: Teaching program for the current academic year was reported to the Bureau of Institutional Research as _50_ percent of full load in the fall semester and _50_ percent in the spring semester. (Department secretary may fill in this information.)

RESEARCH: Percent of official appointment time devoted to research was reported to the Bureau of Institutional Research as _50_ percent of a full load in the fall semester and _50_ percent in the spring semester. Major projects and areas of specialization are:

OTHER DUTIES: University duties not directly credited to teaching and research occupy an average of _____ clock hours per week. The principal time-consuming duties are:

50% paid by C. S. L.

MEMBERSHIP ON COMMITTEES:

Department: Engineering Physics, Chairman

Undergraduate Studies

College: Scholarships

University: Executive Faculty of the Graduate College

Technical Societies and Advisory Groups:
PROFESSIONAL ACTIVITIES:

New degree, and name of institution granting:

Membership in technical societies and fraternities:
  American Physical Society
  American Physics Teachers Association
  AAAS
  Sigma Xi

Attendance at meetings of technical societies:

Research completed this year or in progress, including individual research, supervision of graduate theses, and research aimed at improvement of teaching:

Publications — Co-author, Title, Journal or Publisher, Volume, Page, and Date; including reports prepared for limited distribution:

Addresses — Title, organization addressed, and date:

Voluntary student-faculty activities (for example, attendance at student meetings, participation in them, individual informal counseling with students, entertaining students in your home or elsewhere, etc.):

Other professional activities, including summer work:
  Classified Research in the Control Systems Laboratory
RECORD OF TEACHING, ADMINISTRATION, RESEARCH, AND GENERAL ACTIVITIES

NAME: Dillon E. Mapother

Highest Degree: Ph.D.

Academic Rank: Assoc.

Admin. Title:

Time devoted to University work according to official appointment: __ Full Time; ___ 3/4; ___ 2/3; ___ 1/2; ___ 1/3; ___ 1/4; ___ Time.

TEACHING: Teaching program for the current academic year was reported to the Bureau of Institutional Research as 100 percent of full load in the fall semester and 100 percent in the spring semester. (Department secretary may fill in this information.)

RESEARCH: Percent of official appointment time devoted to research was reported to the Bureau of Institutional Research as ______ percent of a full load in the fall semester and ______ percent in the spring semester. Major projects and areas of specialization are:

OTHER DUTIES: University duties not directly credited to teaching and research occupy an average of ______ clock hours per week. The principal time-consuming duties are:

MEMBERSHIP ON COMMITTEES:

Department: Machine Shop and Drafting, Chair.

Advisory

College:

University: ad hoc Com. for Improving University Liquid Nitrogen Service

Technical Societies and Advisory Groups:
PROFESSIONAL ACTIVITIES:

New degree, and name of institution granting:

Membership in technical societies and fraternities:

- American Physical Society
- American Institute of Physics
- American Assn. of Physics Teachers
- Sigma Xi

Attendance at meetings of technical societies:


Research completed this year or in progress, including individual research, supervision of graduate theses, and research aimed at improvement of teaching:

**Completed:**
- Precise determination of transition curve of superconducting aluminum (with J.F. Cochrane)
- Superconducting transition curves of gallium and zinc (with J.F. Cochrane)
- Pressure effect on superconducting lead near $T_c$. (Ph.D. thesis work of R.R. Hake)
- Effect of precipitation hardening on Debye temperature of aluminum (with J.R. Clement and J.K. Logan of the Naval Research Laboratory, Washington, D.C.)

Publications — Co-author, Title, Journal or Publisher, Volume, Page, and Date; including reports prepared for limited distribution:


- "The Effect of Pressure on the Superconducting Transition of Lead" (with R.R. Hake)
- "Relations Between Mechanical Hardness and Superconducting Properties" (with R.E. Mould).

Other professional activities, including summer work:

- Consultant on cryogenics to Carbide and Carbon Nuclear Co., at Oak Ridge National Laboratory
- Consultant on solenoid design and solid state physics to LosAlamos Scientific Laboratory.
Effect of precipitation hardening on Debye temperature of aluminum
(with J.R. Clement and J.K. Logan of the Naval Research Laboratory,
Washington, D.C.)

In progress:
Isotope effect in superconducting lead (with R.R. Hake and D.L. Decker)
Low temperature specific heats of metals (with F.A. Otter)
Pressure effect on superconductors (extension of above cited work
to higher fields and lower temperatures being done with R.R. Hake)
Investigation of the penetration layer in a superconductor (with
J.F. Cochran, Hans Frauenfelder, and co-workers)
Latent heat of vaporization of liquid helium near $10^6$K (with
J.O. Thomson).
RECORD OF TEACHING, ADMINISTRATION, RESEARCH, AND GENERAL ACTIVITIES

NAME  Robert J. Maurer  Highest Degree  Ph.D.

Academic Rank  Professor  Admin. Title

Time devoted to University work according to official appointment:  _X_ Full Time;  ___3/4__;  ___3/8__;  ___1/2__;  ___1/4__;  ___1/2__;  ___1/4__;  ___Time.

TEACHING:  Teaching program for the current academic year was reported to the Bureau of Institutional Research as  ___100___ percent of full load in the fall semester and ___100___ percent in the spring semester. (Department secretary may fill in this information.)

RESEARCH:  Percent of official appointment time devoted to research was reported to the Bureau of Institutional Research as  ___ percent of a full load in the fall semester and  ___ percent in the spring semester. Major projects and areas of specialization are:

OTHER DUTIES:  University duties not directly credited to teaching and research occupy an average of  ___ clock hours per week. The principal time-consuming duties are:

MEMBERSHIP ON COMMITTEES:

Department:  Library
              Building and Power
              Graduate Student and Exams

College:

University:

Technical Societies and Advisory Groups:

PROFESSIONAL ACTIVITIES:

New degree, and name of institution granting:

Membership in technical societies and fraternities:

American Physical Society

Attendance at meetings of technical societies:


Research completed this year or in progress, including individual research, supervision of graduate theses, and research aimed at improvement of teaching:

- Diffusion of Na in NaCl-CaCl₂ crystals (with J. O. Thomson)
- Diffusion of Ag in AgBr (with A. Miller)
- Photoconductivity in AgCl (with Pro. F. Brown and R. Wiskymün)
- Photoconductivity in KBr (with Dr. W. lncanapfel)
- Optical Absorption in KBr and KI (with Prof. G. Chiarotti)

Publications — Co-author, Title, Journal or Publisher, Volume, Page, and Date; including reports prepared for limited distribution:

- N. lncanapfel, Photoconductivity in KI Containing FCenters,
  Tech. Report No. 1, AF18(400)-662 [Rept. to Office of Scientific Research,
  U.S. Air Force]

- Vacancies and Alkali Halide Crystals. Seminar on Impurities and

Addresses — Title, organization addressed, and date:

- Diffusion in Ionic Crystals, DuPont Corporation, Photo Products Div.,

- Diffusion in Ionic Crystals, DuPont Corporation, Chemistry Dept.,
  Wilmington, Delaware

Voluntary student-faculty activities (for example, attendance at student meetings, participation in them, individual informal counseling with students, entertaining students in your home or elsewhere, etc.):

Other professional activities, including summer work:

- Consultant, Naval Ordnance Laboratory, Silver Spring, Md.
- Consultant, Naval Research Laboratory, Wash. D.C.
- Consultant, Office of Naval Research, Wash. D.C.
RECORD OF TEACHING, ADMINISTRATION, RESEARCH, AND GENERAL ACTIVITIES

NAME: Ralph E. Meagher  Highest Degree: Ph.D.

Academic Rank: Professor  Admin. Title:

Time devoted to University work according to official appointment:  X Full Time; ¾; ½; ⅓; ¼; Time.

TEACHING: Teaching program for the current academic year was reported to the Bureau of Institutional Research as 33 percent of full load in the fall semester and percent in the spring semester. (Department secretary may fill in this information.)

RESEARCH: Percent of official appointment time devoted to research was reported to the Bureau of Institutional Research as percent of a full load in the fall semester and percent in the spring semester. Major projects and areas of specialization are: Digital Computer research.

100% salary paid by Graduate College.

OTHER DUTIES: University duties not directly credited to teaching and research occupy an average of clock hours per week. The principal time-consuming duties are:

Administration as "Chief Engineer" for Digital Computer Laboratory.

MEMBERSHIP ON COMMITTEES:

Department:

College:

University: Chairman, Graduate College Fellowship Committee. Digital Computer Lab. Executive Committee.
PROFESSIONAL ACTIVITIES:

New degree, and name of institution granting:

Membership in technical societies and fraternities:

- American Physical Society
- IRE and IEEE Professional Groups on E. Electronics, Computers
- Association of Computing Machinery

Attendance at meetings of technical societies:

- March 21-23 - IRE Spring Meeting in New York
- November 1955 - Joint Computer Conference, Boston

Research completed this year or in progress, including individual research, supervision of graduate theses, and research aimed at improvement of teaching:

- Investigation of binary circuits near the limit of speed for long-constant circuits of ordinary size
- Supervising thesis of J. M. Nier Ph.D in EE, Feb 1956
Entitled: The Design and Operation of a Nonarithmatics Data Processing Machine

Publications — Co-author, Title, Journal or Publisher, Volume, Page, and Date; including reports prepared for limited distribution:

- none

Addresses — Title, organization addressed, and date:

- The Impact of Computers on Science and Society, IRE Meeting, March 22, 1956
- Equipping a University Computing Laboratory, University of Wisconsin Meeting, August 17, 1955

Voluntary student-faculty activities (for example, attendance at student meetings, participation in them, individual informal counseling with students, entertaining students in your home or elsewhere, etc.):

Other professional activities, including summer work:

- none
RECORD OF TEACHING, ADMINISTRATION, RESEARCH, AND GENERAL ACTIVITIES

NAME: Arnold T. Nordsieck

Highest Degree: Ph.D.

Academic Rank: Professor

Time devoted to University work according to official appointment: Full Time; 3/4; 1/2; 1/4; 1/8; 1/4; Time.

TEACHING: Teaching program for the current academic year was reported to the Bureau of Institutional Research as percent of full load in the fall semester and percent in the spring semester. (Department secretary may fill in this information.)

RESEARCH: Percent of official appointment time devoted to research was reported to the Bureau of Institutional Research as percent of a full load in the fall semester and percent in the spring semester. Major projects and areas of specialization are:

OTHER DUTIES: University duties not directly credited to teaching and research occupy an average of clock hours per week. The principal time-consuming duties are:

On leave of absence, at Cornell University.

MEMBERSHIP ON COMMITTEES:

Department:

College:

University:

Technical Societies and Advisory Groups:
PROFESSIONAL ACTIVITIES:

New degree, and name of institution granting:

Membership in technical societies and fraternities:

Attendance at meetings of technical societies:

Research completed this year or in progress, including individual research, supervision of graduate theses, and research aimed at improvement of teaching:

Publications — Co-author, Title, Journal or Publisher, Volume, Page, and Date; including reports prepared for limited distribution:

Addresses — Title, organization addressed, and date:

Voluntary student-faculty activities (for example, attendance at student meetings, participation in them, individual informal counseling with students, entertaining students in your home or elsewhere, etc.):

Other professional activities, including summer work:
UNIVERSITY OF ILLINOIS

COLLEGE OF ENGINEERING — DEPARTMENT OF _Physics_

May 1, 1955 to April 30, 1956

RECORD OF TEACHING, ADMINISTRATION, RESEARCH, AND GENERAL ACTIVITIES

NAME __ Allen C. Odian __________________________ Highest Degree __ Ed.D. __________

Academic Rank __ Associate ____________________________ Admin. Title __________________________

Time devoted to University work according to official appointment: _X_ Full Time; ___ 3/4; ___ 2/3; ___ 1/2; ___ 1/3; ___ 1/4; _______ Time.

TEACHING: Teaching program for the current academic year was reported to the Bureau of Institutional Research as ______ percent of full load in the fall semester and ______ percent in the spring semester. (Department secretary may fill in this information.)

RESEARCH: Percent of official appointment time devoted to research was reported to the Bureau of Institutional Research as 100 percent of a full load in the fall semester and 100 percent in the spring semester. Major projects and areas of specialization are:

OTHER DUTIES: University duties not directly credited to teaching and research occupy an average of ______ clock hours per week. The principal time-consuming duties are:

MEMBERSHIP ON COMMITTEES:

Department:

College:

University:

Technical Societies and Advisory Groups:
PROFESSIONAL ACTIVITIES:

New degree, and name of institution granting:

Membership in technical societies and fraternities:

Attendance at meetings of technical societies:

Research completed this year or in progress, including individual research, supervision of graduate theses, and research aimed at improvement of teaching:

Publications — Co-author, Title, Journal or Publisher, Volume, Page, and Date; including reports prepared for limited distribution:


Addresses — Title, organization addressed, and date:

Voluntary student-faculty activities (for example, attendance at student meetings, participation in them, individual informal counseling with students, entertaining students in your home or elsewhere, etc.):

Other professional activities, including summer work:
UNIVERSITY OF ILLINOIS

COLLEGE OF ENGINEERING — DEPARTMENT OF Physics

May 1, 1955 to April 30, 1956

RECORD OF TEACHING, ADMINISTRATION, RESEARCH, AND GENERAL ACTIVITIES

NAME_ Boudewijn Okkerse __________________________ Highest Degree _Ph.D._

Academic Rank _Associate_ Admin. Title __________________________

Time devoted to University work according to official appointment: _X_ Full Time; _3/4_; _2/3_; _1/2_; _1/3_; _1/4_; _Time_.

TEACHING: Teaching program for the current academic year was reported to the Bureau of Institutional Research as ______ percent of full load in the fall semester and ______ percent in the spring semester. (Department secretary may fill in this information.)

RESEARCH: Percent of official appointment time devoted to research was reported to the Bureau of Institutional Research as ______ percent of a full load in the fall semester and ______ percent in the spring semester. Major projects and areas of specialization are:

OTHER DUTIES: University duties not directly credited to teaching and research occupy an average of ______ clock hours per week. The principal time-consuming duties are:

MEMBERSHIP ON COMMITTEES:

Department: /

College: /

University: /

Technical Societies and Advisory Groups: /
PROFESSIONAL ACTIVITIES:

New degree, and name of institution granting:

Membership in technical societies and fraternities:
- KIV (Royal Institute of Engineers - The Netherlands)
- KNCV (Royal Dutch Chemists Society - The Netherlands)

Attendance at meetings of technical societies:
- American Physical Society, Chicago, Ill., November 1955
- American Physical Society, New York, N.Y., January 1956
- American Physical Society, Pittsburgh, Pa., March 1956

Research completed this year or in progress, including individual research, supervision of graduate theses, and research aimed at improvement of teaching:
1. Self-diffusion in solid
2. Heat Dependence of Diffusion
3. Diffusion of Potassium in Silicon
4. Prediction Effects in III - V Compounds, with Dr. H. J. Sander

Publications — Co-author, Title, Journal or Publisher, Volume, Page, and Date; including reports prepared for limited distribution:
2. Reprinted as: Self-diffusion in solid

Addresses — Title, organization addressed, and date:
Self-diffusion in solid, American Physical Society, Pittsburgh, March 1956

Voluntary student-faculty activities (for example, attendance at student meetings, participation in them, individual informal counseling with students, entertaining students in your home or elsewhere, etc.):

Other professional activities, including summer work:
May 1, 1955 to April 30, 1956

RECORD OF TEACHING, ADMINISTRATION, RESEARCH, AND GENERAL ACTIVITIES

NAME Wilfred Palmer ____________________________ Highest Degree Ph.D.

Academic Rank Associate _______________________ Admin. Title

Time devoted to University work according to official appointment: **Full Time; ___3/4; ___2/3; ___1/2; ___1/3; ___1/4; ____Time.**

TEACHING: Teaching program for the current academic year was reported to the Bureau of Institutional Research as ______ percent of full load in the fall semester and ______ percent in the spring semester. (Department secretary may fill in this information.)

RESEARCH: Percent of official appointment time devoted to research was reported to the Bureau of Institutional Research as **100** percent of a full load in the fall semester and **100** percent in the spring semester. Major projects and areas of specialization are:

OTHER DUTIES: University duties not directly credited to teaching and research occupy an average of ___0___ clock hours per week. The principal time-consuming duties are:

MEMBERSHIP ON COMMITTEES:

Department:

College:

University:

Technical Societies and Advisory Groups:
PROFESSIONAL ACTIVITIES:

New degree, and name of institution granting:

Ph. D., The University of Texas

Membership in technical societies and fraternities:

American Institute of Physics
American Physical Society
Society of Sigma Xi
Society of Sigma Pi Sigma

Attendance at meetings of technical societies:

American Physical Society, Chicago meeting
American Physical Society, Pittsburgh meeting

Research completed this year or in progress, including individual research, supervision of graduate theses, and research aimed at improvement of teaching:

Absolute determinations of Cu mass absorption coefficients near the K absorption edge.

Isothermal annealing of radiation damage in Cu, Ag, and Au.

Publications — Co-author, Title, Journal or Publisher, Volume, Page, and Date; including reports prepared for limited distribution:

Thesis: Absolute Determination of the Mass Absorption Coefficients Near the CuK Absorption Edge

Addresses — Title, organization addressed, and date:

Absolute Values of Cu Mass Absorption Coefficients near the K-Edge, American Physical Society, Pittsburgh meeting, March 15, 1956.

Voluntary student-faculty activities (for example, attendance at student meetings, participation in them, individual informal counseling with students, entertaining students in your home or elsewhere, etc.):

Other professional activities, including summer work:
UNIVERSITY OF ILLINOIS
COLLEGE OF ENGINEERING — DEPARTMENT OF Physics

May 1, 1955 to April 30, 1956

RECORD OF TEACHING, ADMINISTRATION, RESEARCH, AND GENERAL ACTIVITIES

NAME Robert F. Paton

Academic Rank Assoc. Prof.

Highest Degree Ph.D.

Time devoted to University work according to official appointment: X Full Time; ¾; ½; ¼; Time.

TEACHING: Teaching program for the current academic year was reported to the Bureau of Institutional Research as 100 percent of full load in the fall semester and * percent in the spring semester. (Department secretary may fill in this information.)

RESEARCH: Percent of official appointment time devoted to research was reported to the Bureau of Institutional Research as ______ percent of a full load in the fall semester and ______ percent in the spring semester. Major projects and areas of specialization are:

* Emeritus, beginning March 1, 1956.

OTHER DUTIES: University duties not directly credited to teaching and research occupy an average of ______ clock hours per week. The principal time-consuming duties are:

MEMBERSHIP ON COMMITTEES:

Assistants and Fellows

Department: LAS Physics and Teacher Training Schedules, Chair.

College: Improvement of Teaching Program

University: All-University Forums

Technical Societies and Advisory Groups:
PROFESSIONAL ACTIVITIES:

New degree, and name of institution granting:

Membership in technical societies and fraternities:

Fellow: American Physical Society
        Amer. Assn. for Advancement of Science
Member: American Assn. of Physics Teachers
        Sigma Xi
        Illinois Academy of Science

Attendance at meetings of technical societies:

Research completed this year or in progress, including individual research, supervision of graduate theses, and research aimed at improvement of teaching:

Publications — Co-author, Title, Journal or Publisher, Volume, Page, and Date; including reports prepared for limited distribution:

Addresses — Title, organization addressed, and date:

Voluntary student-faculty activities (for example, attendance at student meetings, participation in them, individual informal counseling with students, entertaining students in your home or elsewhere, etc.):

Other professional activities, including summer work:
RECORD OF TEACHING, ADMINISTRATION, RESEARCH, AND GENERAL ACTIVITIES

NAME: Robert D. Rawcliffe

Academic Rank: Asst. Prof.

Highest Degree: PhD

Time devoted to University work according to official appointment: Full Time; ¾; ½; ¼ Time.

TEACHING: Teaching program for the current academic year was reported to the Bureau of Institutional Research as percent of full load in the fall semester and percent in the spring semester. (Department secretary may fill in this information.)

RESEARCH: Percent of official appointment time devoted to research was reported to the Bureau of Institutional Research as percent of a full load in the fall semester and percent in the spring semester. Major projects and areas of specialization are:

OTHER DUTIES: University duties not directly credited to teaching and research occupy an average of clock hours per week. The principal time-consuming duties are:

MEMBERSHIP ON COMMITTEES:

Department: Building and Power

College: Physics, Chemical Biology

University:

Technical Societies and Advisory Groups:
PROFESSIONAL ACTIVITIES:

New degree, and name of institution granting:

Membership in technical societies and fraternities:

American Physical Society

Attendance at meetings of technical societies:

American Physical Society, Thanksgiving Meeting

Research completed this year or in progress, including individual research, supervision of graduate theses, and research aimed at improvement of teaching:

Classified research at C.S.L

Publications — Co-author, Title, Journal or Publisher, Volume, Page, and Date; including reports prepared for limited distribution:

Addresses — Title, organization addressed, and date:

Voluntary student-faculty activities (for example, attendance at student meetings, participation in them, individual informal counseling with students, entertaining students in your home or elsewhere, etc.):

Other professional activities, including summer work:
UNIVERSITY OF ILLINOIS

COLLEGE OF ENGINEERING — DEPARTMENT OF Physics

May 1, 1955 to April 30, 1956

RECORD OF TEACHING, ADMINISTRATION, RESEARCH, AND GENERAL ACTIVITIES

NAME Clark S. Robinson Highest Degree Ph.D.

Academic Rank Professor Admin. Title

Time devoted to University work according to official appointment: X Full Time; ¾; ½; ½; ¼; ¼; Time.

TEACHING: Teaching program for the current academic year was reported to the Bureau of Institutional Research as 67 percent of full load in the fall semester and 67 percent in the spring semester. (Department secretary may fill in this information.)

RESEARCH: Percent of official appointment time devoted to research was reported to the Bureau of Institutional Research as 33 percent of a full load in the fall semester and 33 percent in the spring semester. Major projects and areas of specialization are:

OTHER DUTIES: University duties not directly credited to teaching and research occupy an average of 10 clock hours per week. The principal time-consuming duties are:

Supervision of betatron electronics shop
Supervision (indirectly) of betatron machine shop
Advising on storeroom operation and betatron crew hiring
Consultation with Health Physicist.

MEMBERSHIP ON COMMITTEES:

Department: Assistants and Fellows
Betatron Safety Committee

College: Engineering—Freshman advisor

University:

Technical Societies and Advisory Groups:

Science Talent Search Committee, Ill.State Acad.Science
PROFESSIONAL ACTIVITIES:

New degree, and name of institution granting:

Membership in technical societies and fraternities:

- American Physical Society
- Amer. Assn. for Advance. of Science
- Illinois State Academy of Science

Attendance at meetings of technical societies:

- American Physical Society: Chicago, November 1955
  Washington, D.C., April 1956

Research completed this year or in progress, including individual research, supervision of graduate theses, and research aimed at improvement of teaching:

Supervising Ph.D. theses:

- S. Penner - Measurements completed and analyzed on $\pi^+$ meson photo-production from hydrogen and deuterium near threshold. Experiment designed on measurement of $\pi^-$ meson photo-production from deuterium.
- R.C. Miller - Measurements completed and analyzed on large angle pair production and positron scattering from lead.
- J.H. Malmberg - New apparatus for measurement of $\pi^+$ photomesons from hydrogen at small angles extensively tested with betatron, and found satisfactory.

Addresses — Title, organization addressed, and date:

Voluntary student-faculty activities (for example, attendance at student meetings, participation in them, individual informal counseling with students, entertaining students in your home or elsewhere, etc.):

Other professional activities, including summer work:
RECORD OF TEACHING, ADMINISTRATION, RESEARCH, AND GENERAL ACTIVITIES

NAME  Roman A. Schmitt  Highest Degree Ph.D

Academic Rank  Associate  Admin. Title

Time devoted to University work according to official appointment:  — Full Time; —¾; —½; —¼; — Time.

TEACHING:  Teaching program for the current academic year was reported to the Bureau of Institutional Research as ______ percent of full load in the fall semester and ______ percent in the spring semester. (Department secretary may fill in this information.)

RESEARCH:  Percent of official appointment time devoted to research was reported to the Bureau of Institutional Research as ______ percent of a full load in the fall semester and ______ percent in the spring semester. Major projects and areas of specialization are:

OTHER DUTIES:  University duties not directly credited to teaching and research occupy an average of ______ clock hours per week. The principal time-consuming duties are:

MEMBERSHIP ON COMMITTEES:

Department:

College:

University:

Technical Societies and Advisory Groups:
PROFESSIONAL ACTIVITIES:

New degree, and name of institution granting:

Membership in technical societies and fraternities:
- American Physical Society
- American Chemical Society

Attendance at meetings of technical societies:
- American Physical Society, Chicago meeting, November 1955

Research completed this year or in progress, including individual research, supervision of graduate theses, and research aimed at improvement of teaching:
- Two papers are now being prepared for publication. They both concern the Photofission of Uranium and Thorium at low energies.

Publications — Co-author, Title, Journal or Publisher, Volume, Page, and Date; including reports prepared for limited distribution:

Addresses — Title, organization addressed, and date:
- "Fission Asymmetry As a Function of Excitation"
- Gordon Conference on Nuclear Chemistry, June 29, 1955

Voluntary student-faculty activities (for example, attendance at student meetings, participation in them, individual informal counseling with students, entertaining students in your home or elsewhere, etc.):

Other professional activities, including summer work:
RECORD OF TEACHING, ADMINISTRATION, RESEARCH, AND GENERAL ACTIVITIES

NAME: Frederick Seitz

Highest Degree: Ph.D.

Academic Rank: Professor

Admin. Title: Technical Director, Control Systems Lab.

Time devoted to University work according to official appointment: X Full Time; ¾; ½; ¾; ¼; Time.

TEACHING: Teaching program for the current academic year was reported to the Bureau of Institutional Research as 100 percent of full load in the fall semester and 100 percent in the spring semester. (Department secretary may fill in this information.)

RESEARCH: Percent of official appointment time devoted to research was reported to the Bureau of Institutional Research as ______ percent of a full load in the fall semester and ______ percent in the spring semester. Major projects and areas of specialization are:

OTHER DUTIES: University duties not directly credited to teaching and research occupy an average of ______ clock hours per week. The principal time-consuming duties are:

NOTE: This report is very incomplete due to Professor Seitz' absence from the campus. It will have to be replaced by a complete report after his return later in the summer.

MEMBERSHIP ON COMMITTEES:

Department: Physics Colloquium

College:

University: Senate--Academic Freedom

University Research Board

Technical Societies and Advisory Groups:
PROFESSIONAL ACTIVITIES:

New degree, and name of institution granting:

Membership in technical societies and fraternities:

Attendance at meetings of technical societies:

Research completed this year or in progress, including individual research, supervision of graduate theses, and research aimed at improvement of teaching:

Publications — Co-author, Title, Journal or Publisher, Volume, Page, and Date; including reports prepared for limited distribution:

Addresses — Title, organization addressed, and date:

Voluntary student-faculty activities (for example, attendance at student meetings, participation in them, individual informal counseling with students, entertaining students in your home or elsewhere, etc.):

Other professional activities, including summer work:


RECORD OF TEACHING, ADMINISTRATION, RESEARCH, AND GENERAL ACTIVITIES

NAME: Chalmers W. Sherwin

Highest Degree: Ph.D.

Academic Rank: Professor

Admin. Title:

Time devoted to University work according to official appointment: __X__ Full Time; — 3/4; — 2/3; — 1/2; — 1/3; — 1/4; — Time.

TEACHING: Teaching program for the current academic year was reported to the Bureau of Institutional Research as 100 percent of full load in the fall semester and 100 percent in the spring semester. (Department secretary may fill in this information.)

RESEARCH: Percent of official appointment time devoted to research was reported to the Bureau of Institutional Research as _______ percent of a full load in the fall semester and _______ percent in the spring semester. Major projects and areas of specialization are:

OTHER DUTIES: University duties not directly credited to teaching and research occupy an average of _______ clock hours per week. The principal time-consuming duties are:

MEMBERSHIP ON COMMITTEES:

Department: Staff Advisory Fellows and Assistants Open House

College:

University:

Technical Societies and Advisory Groups:

Scientific Advisory Board to Chief of Staff, USAF (Electronics and Communications Panel.)
PROFESSIONAL ACTIVITIES:

New degree, and name of institution granting:

Membership in technical societies and fraternities:

American Physical Society

Attendance at meetings of technical societies:

American Physical Society, Chicago, November 1955.

Research completed this year or in progress, including individual research, supervision of graduate theses, and research aimed at improvement of teaching:

Publications — Co-author, Title, Journal or Publisher, Volume, Page, and Date; including reports prepared for limited distribution:

Addresses — Title, organization addressed, and date:


Voluntary student-faculty activities (for example, attendance at student meetings, participation in them, individual informal counseling with students, entertaining students in your home or elsewhere, etc.):

Other professional activities, including summer work:
UNIVERSITY OF ILLINOIS

COLLEGE OF ENGINEERING — DEPARTMENT OF Physics

May 1, 1955 to April 30, 1956

RECORD OF TEACHING, ADMINISTRATION, RESEARCH, AND GENERAL ACTIVITIES

NAME Charles P. Slichter

Academic Rank Professor

Highest Degree Ph.D.

Admin. Title

Time devoted to University work according to official appointment: □ Full Time; □ 3/4; □ 2/3; □ 1/2; □ 1/3; □ 1/4; □ 1/5 Time.

TEACHING: Teaching program for the current academic year was reported to the Bureau of Institutional Research as 100 percent of full load in the fall semester and 100 percent in the spring semester. (Department secretary may fill in this information.)

RESEARCH: Percent of official appointment time devoted to research was reported to the Bureau of Institutional Research as ______ percent of a full load in the fall semester and ______ percent in the spring semester. Major projects and areas of specialization are:

OTHER DUTIES: University duties not directly credited to teaching and research occupy an average of ______ clock hours per week. The principal time-consuming duties are:

MEMBERSHIP ON COMMITTEES:

Department: Undergraduate Studies, Chair

LAS Physics Majors

College:

University:

Technical Societies and Advisory Groups:
PROFESSIONAL ACTIVITIES:

New degree, and name of institution granting:

Membership in technical societies and fraternities: Fellow American Physical Society

Attendance at meetings of technical societies: Chicago Meeting APS
Pittsburgh Meeting APS

Research completed this year or in progress, including individual research, supervision of graduate theses, and research aimed at improvement of teaching:

Supervision of research in electron and nuclear magnetic resonance of 5 PhD Theses.
Work on my own research in these areas.

Publications — Co-author, Title, Journal or Publisher, Volume, Page, and Date; including reports prepared for limited distribution:

"Concept of Temperature and Overhauser Nuclear Polarization Effect" Phys Rev 100, 1522-33 (1955)

Addresses — Title, organization addressed, and date:
"Conduction Electron Spin Resonance", Institute for Metals, U of Chicago, November

Voluntary student-faculty activities (for example, attendance at student meetings, participation in them, individual informal counseling with students, entertaining students in your home or elsewhere, etc.):

Other professional activities, including summer work: Research at U of T11
UNIVERSITY OF ILLINOIS

COLLEGE OF ENGINEERING — DEPARTMENT OF Physics

May 1, 1955 to April 30, 1956

RECORD OF TEACHING, ADMINISTRATION, RESEARCH, AND GENERAL ACTIVITIES

NAME: James H. Smith

Highest Degree: Ph.D.

Academic Rank: Asst. Prof.

Admin. Title:

Time devoted to University work according to official appointment: Full Time; — 3/4; — 2/3; — 1/2; — 1/3; — 1/4; — Time.

TEACHING: Teaching program for the current academic year was reported to the Bureau of Institutional Research as 100 percent of full load in the fall semester and 100 percent in the spring semester. (Department secretary may fill in this information.)

RESEARCH: Percent of official appointment time devoted to research was reported to the Bureau of Institutional Research as ______ percent of a full load in the fall semester and ______ percent in the spring semester. Major projects and areas of specialization are:

OTHER DUTIES: University duties not directly credited to teaching and research occupy an average of _____ clock hours per week. The principal time-consuming duties are:

MEMBERSHIP ON COMMITTEES:

Department: Engineering Physics Advisor

Open House

College: Petitions and Records

University:

Technical Societies and Advisory Groups:
PROFESSIONAL ACTIVITIES:

New degree, and name of institution granting:

Membership in technical societies and fraternities:

American Physical Society

Attendance at meetings of technical societies:

American Physical Society - Chicago meeting Nov. 1955
Photoneutral Conference - Cleveland May 1955

Research completed this year or in progress, including individual research, supervision of graduate theses, and research aimed at improvement of teaching:

Research on correlated protons and neutrons in the photodisintegration of complex elements nearly completed, including a thesis by Mark Barton.

Publications — Co-author, Title, Journal or Publisher, Volume, Page, and Date; including reports prepared for limited distribution:

Addresses — Title, organization addressed, and date:

Correlated protons and neutrons in the photodisintegration of Helium -- with Mark Barton, Amer. Phys. Soc. Nov. 1955
High energy photodisintegration of Lithium, Special Conference on Photoneuclear Reactions, Cleveland, Ohio May 1955

Voluntary student-faculty activities (for example, attendance at student meetings, participation in them, individual informal counseling with students, entertaining students in your home or elsewhere, etc.):

Other professional activities, including summer work:
RECORD OF TEACHING, ADMINISTRATION, RESEARCH, AND GENERAL ACTIVITIES

NAME: James N. Snyder  
Highest Degree: Ph.D.

Academic Rank: Assoc. Prof.  
Admin. Title: 

Time devoted to University work according to official appointment:  
- Full Time: 
- ¾ Time: 
- ⅝ Time: 
- ⅞ Time: 
- ⅞ Time: 

TEACHING:  
Teaching program for the current academic year was reported to the Bureau of Institutional Research as 100 percent of full load in the fall semester and 100 percent in the spring semester. (Department secretary may fill in this information.)

RESEARCH:  
Percent of official appointment time devoted to research was reported to the Bureau of Institutional Research as ______ percent of a full load in the fall semester and ______ percent in the spring semester. Major projects and areas of specialization are:

OTHER DUTIES: University duties not directly credited to teaching and research occupy an average of ______ clock hours per week. The principal time-consuming duties are:

MEMBERSHIP ON COMMITTEES:

Department: Graduate Studies and Examinations  
Computing Service

College: College Policy and Development, Chair.  
Executive Committee (ex officio)

University:

Technical Societies and Advisory Groups:
PROFESSIONAL ACTIVITIES:

New degree, and name of institution granting:

Membership in technical societies and fraternities:
- Sigma Xi
- Phi Beta Kappa
- Pi Mu Epsilon
- American Physical Society
- Association for Computing Machinery

Attendance at meetings of technical societies:
- American Physical Society: Chicago, November, 1955
- Washington, April 1956
- Midwest Universities Research Assn.: Sesquimonthly meetings at various universities.

Research completed this year or in progress, including individual research, supervision of graduate theses, and research aimed at improvement of teaching:
- Control problems in Control Systems Laboratory
- Cubic lattice sum evaluation
- Various MURA projects
- Directing thesis work of Icko Iben in non-linear mechanics

Publications — Co-author, Title, Journal or Publisher, Volume, Page, and Date; including reports prepared for limited distribution:

Addresses — Title, organization addressed, and date:

Voluntary student-faculty activities (for example, attendance at student meetings, participation in them, individual informal counseling with students, entertaining students in your home or elsewhere, etc.):

Other professional activities, including summer work:
**UNIVERSITY OF ILLINOIS**

**COLLEGE OF ENGINEERING — DEPARTMENT OF Physics**

May 1, 1955 to April 30, 1956

**RECORD OF TEACHING, ADMINISTRATION, RESEARCH, AND GENERAL ACTIVITIES**

<table>
<thead>
<tr>
<th>NAME</th>
<th>Stahelin, Peter</th>
<th>Highest Degree</th>
<th>Dr. Sc. Nat.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Academic Rank</td>
<td>Associate</td>
<td>Admin. Title</td>
<td></td>
</tr>
</tbody>
</table>

Time devoted to University work according to official appointment:  
Full Time; \( \frac{3}{4} \); \( \frac{2}{3} \); \( \frac{1}{2} \); \( \frac{1}{3} \); \( \frac{1}{4} \); \( \frac{1}{8} \) Time.

**TEACHING:**  
Teaching program for the current academic year was reported to the Bureau of Institutional Research as _____ percent of full load in the fall semester and _____ percent in the spring semester. (Department secretary may fill in this information.)

**RESEARCH:**  
Percent of official appointment time devoted to research was reported to the Bureau of Institutional Research as 75 percent of a full load in the fall semester and 75 percent in the spring semester. Major projects and areas of specialization are:

**OTHER DUTIES:** University duties not directly credited to teaching and research occupy an average of _____ clock hours per week. The principal time-consuming duties are:

**MEMBERSHIP ON COMMITTEES:**

Department:

College:

University:

Technical Societies and Advisory Groups:
PROFESSIONAL ACTIVITIES:

New degree, and name of institution granting:

Membership in technical societies and fraternities:

Attendance at meetings of technical societies:

Research completed this year or in progress, including individual research, supervision of graduate theses, and research aimed at improvement of teaching:

- In progress: Electron-neutrino recoil-correlation in the β-decay of $^{35}$ and $^{39}$
- Development of strong focussing scheme for rebuilt U. of J. cyclotron

Publications — Co-author, Title, Journal or Publisher, Volume, Page, and Date; including reports prepared for limited distribution:


Addresses — Title, organization addressed, and date:

- "Radial oscillations in a strong focussing cyclotron." Technical Group of MURA, April 14, 1956 at University of Notre Dame

Voluntary student-faculty activities (for example, attendance at student meetings, participation in them, individual informal counseling with students, entertaining students in your home or elsewhere, etc.):

Other professional activities, including summer work:
RECORD OF TEACHING, ADMINISTRATION, RESEARCH, AND GENERAL ACTIVITIES

NAME: Taira Suzuki

Highest Degree: BS

Academic Rank: Asst. Prof.

Admin. Title:

Time devoted to University work according to official appointment:

- Full Time;
- 3/4;
- 2/3;
- 1/2;
- 1/3;
- 1/4;
- Time.

TEACHING:

Teaching program for the current academic year was reported to the Bureau of Institutional Research as ______ percent of full load in the fall semester and ______ percent in the spring semester. (Department secretary may fill in this information.)

RESEARCH:

Percent of official appointment time devoted to research was reported to the Bureau of Institutional Research as ______ percent of a full load in the fall semester and ______ percent in the spring semester. Major projects and areas of specialization are:

OTHER DUTIES:

University duties not directly credited to teaching and research occupy an average of ______ clock hours per week. The principal time-consuming duties are:

MEMBERSHIP ON COMMITTEES:

Department:

College:

University:

Technical Societies and Advisory Groups:
PROFESSIONAL ACTIVITIES:

New degree, and name of institution granting:

Membership in technical societies and fraternities:

Member of American Physical Society, Japan Physical Society, and other two technical societies.

Attendance at meetings of technical societies:

November, 1955, Chicago meeting of A.P.S.
January, 1956, New York meeting of A.P.S.
March, 1956, Pittsburgh meeting of A.P.S.

Research completed this year or in progress, including individual research, supervision of graduate theses, and research aimed at improvement of teaching:

1) Plastic Flow of Alkali-Halide Crystals (completed—to be published)
2) Effect of Color Centers on Mechanical Properties of Alkali-Halide Crystals (in progress)
3) Observations of Dislocation Networks in Alkali-Halide Crystals (in progress)

Publications — Co-author, Title, Journal or Publisher, Volume, Page, and Date; including reports prepared for limited distribution:

With B.T.M. Willis, Diffraction from Dislocations,
Nature, 122, 212, 1956


Addresses — Title, organization addressed, and date:

Voluntary student-faculty activities (for example, attendance at student meetings, participation in them, individual informal counseling with students, entertaining students in your home or elsewhere, etc.):

Other professional activities, including summer work:
RECORD OF TEACHING, ADMINISTRATION, RESEARCH, AND GENERAL ACTIVITIES

NAME ___________________________ Highest Degree ___________

Academic Rank _____________________ Admin. Title ____________________

Time devoted to University work according to official appointment: 
- Full Time; 
- ¾; 
- ¼; 
- ½

TEACHING: Teaching program for the current academic year was reported to the Bureau of Institutional Research as percent of full load in the fall semester and percent in the spring semester. (Department secretary may fill in this information.)

RESEARCH: Percent of official appointment time devoted to research was reported to the Bureau of Institutional Research as percent of a full load in the fall semester and percent in the spring semester. Major projects and areas of specialization are:

Solid State Physics Theory.

OTHER DUTIES: University duties not directly credited to teaching and research occupy an average of clock hours per week. The principal time-consuming duties are:

MEMBERSHIP ON COMMITTEES:

Department:

College:

University:

Technical Societies and Advisory Groups:
PROFESSIONAL ACTIVITIES:

New degree, and name of institution granting: —

Membership in technical societies and fraternities: Am. Physical Soc.


Research completed this year or in progress, including individual research, supervision of graduate theses, and research aimed at improvement of teaching:

- Pinning of impurities and vacancies to dislocations in NaCl.
- Charge effects in ionic crystals when dislocations intersect surfaces.

Publications — Co-author, Title, Journal or Publisher, Volume, Page, and Date; including reports prepared for limited distribution:


Addresses — Title, organization addressed, and date:


Voluntary student-faculty activities (for example, attendance at student meetings, participation in them, individual informal counseling with students, entertaining students in your home or elsewhere, etc.):

Other professional activities, including summer work:
RECORD OF TEACHING, ADMINISTRATION, RESEARCH, AND GENERAL ACTIVITIES

NAME: Carl T. Tomizuka

Highest Degree: Ph.D.

Academic Rank: Asst. Prof.

Admin. Title: 

Time devoted to University work according to official appointment: Full Time; 3/4; 2/3; x 1/2; 1/3; 1/4; Time.

TEACHING: Teaching program for the current academic year was reported to the Bureau of Institutional Research as percent of full load in the fall semester and percent in the spring semester. (Department secretary may fill in this information.)

RESEARCH: Percent of official appointment time devoted to research was reported to the Bureau of Institutional Research as percent of a full load in the fall semester and percent in the spring semester. Major projects and areas of specialization are:

OTHER DUTIES: University duties not directly credited to teaching and research occupy an average of clock hours per week. The principal time-consuming duties are:

MEMBERSHIP ON COMMITTEES:

Department: Radioactive Records and Protection

College:

University:

Technical Societies and Advisory Groups:
PROFESSIONAL ACTIVITIES:

New degree, and name of institution granting:

Membership in technical societies and fraternities:

American Physical Society, Physical Society of Japan, Sigma Xi

Attendance at meetings of technical societies:

AE C Annual Conference on Metallurgy, Pittsburgh, June 1955

Gordon Research Conference (Diffusion), New Hampton, N. H., July 1955

American Physical Society, Chicago Meeting, Nov. '55

New York Meeting, Jan. '56

State Meeting, Pittsburgh, March 1956

Research completed this year or in progress, including individual research, supervision of graduate theses, and research aimed at improvement of teaching:

In Progress:

- Study of diffusion in noble metal alloys

Completed:

- Diffusion in Ag-D2 alloy
- Self-diffusion in Ag

Publications — Co-author, Title, Journal or Publisher, Volume, Page, and Date; including reports prepared for limited distribution:

Melting Patterns Appearing in Single Crystals of In 56 (with M. F. Miller), J. Appl. Phys. 27, 946 (1956)


Addresses — Title, organization addressed, and date:

American Physical Society, Pittsburgh, March 1956

- 10-min. papers
  - Self-diffusion in Ag (with Marvin MacDonald, Edward Sondors)
  - Self-diffusion in He-Be (with A. B. Kuper and D. Letaw)

Research diffusion of Cu and Zn in X-brass (with J. Hine and C. West)

Internal friction study of X-brass (with J. Hine and C. West)

Voluntary student-faculty activities (for example, attendance at student meetings, participation in them, individual informal counseling with students, entertaining students in your home or elsewhere, etc.):

- Entertaining student in my home.

Other professional activities, including summer work:
RECORD OF TEACHING, ADMINISTRATION, RESEARCH, AND GENERAL ACTIVITIES

NAME: Stanley H. Vegors

Highest Degree: Ph.D.

Academic Rank: Associate

Time devoted to University work according to official appointment: Full Time; 3/4; 2/3; 1/2; 1/3; 1/4; Time.

TEACHING: Teaching program for the current academic year was reported to the Bureau of Institutional Research as ______ percent of full load in the fall semester and ______ percent in the spring semester. (Department secretary may fill in this information.)

RESEARCH: Percent of official appointment time devoted to research was reported to the Bureau of Institutional Research as ______ percent of a full load in the fall semester and ______ percent in the spring semester. Major projects and areas of specialization are:

OTHER DUTIES: University duties not directly credited to teaching and research occupy an average of ______ clock hours per week. The principal time-consuming duties are:

MEMBERSHIP ON COMMITTEES:

Department:

College:

University:

Technical Societies and Advisory Groups:
PROFESSIONAL ACTIVITIES:

New degree, and name of institution granting:

*none*

Membership in technical societies and fraternities:

American Physical Society

Attendance at meetings of technical societies:

- Chicago Meeting of American Physical Society  
  Nov. 25-26
- Washington Meeting of American Physical Society  
  April 26-28

Research completed this year or in progress, including individual research, supervision of graduate theses, and research aimed at improvement of teaching:

Research is still in progress on the detection and measurement of the fundamental properties of short lived isomeric transitions.

Publications — Co-author, Title, Journal or Publisher, Volume, Page, and Date; including reports prepared for limited distribution:


Addresses — Title, organization addressed, and date:

- Gamma Ray Induced Isomers with Half-lives between $10^{-5}$ and $10^{-1}$ Sec. — American Physical Society — Nov. 25, 1955.
- Five New Isomers with Half-lives in the Microsecond and Millisecond Region — American Physical Society — April 27, 1956

Voluntary student-faculty activities (for example, attendance at student meetings, participation in them, individual informal counseling with students, entertaining students in your home or elsewhere, etc.):

Other professional activities, including summer work:
RECORD OF TEACHING, ADMINISTRATION, RESEARCH, AND GENERAL ACTIVITIES

NAME: Joseph Weneser
Highest Degree: Ph.D.

Academic Rank: Asst. Prof.
Admin. Title:

Time devoted to University work according to official appointment: Full Time; ¾; ½; ⅓; ⅛; Time.

TEACHING: Teaching program for the current academic year was reported to the Bureau of Institutional Research as 50 percent of full load in the fall semester and 50 percent in the spring semester. (Department secretary may fill in this information.)

RESEARCH: Percent of official appointment time devoted to research was reported to the Bureau of Institutional Research as 50 percent of a full load in the fall semester and 50 percent in the spring semester. Major projects and areas of specialization are:

Lasers, energy, nuclear physics - theoretical

OTHER DUTIES: University duties not directly credited to teaching and research occupy an average of clock hours per week. The principal time-consuming duties are:

MEMBERSHIP ON COMMITTEES:
Department:
College:
University:

Technical Societies and Advisory Groups:
PROFESSIONAL ACTIVITIES:

New degree, and name of institution granting:

Membership in technical societies and fraternities:

American Physical Society
Sigma Xi

Attendance at meetings of technical societies:

American Physical Society - Chicago Meeting - November 1955
American Physical Society - New York Meeting - February 1956
Midwestern Theoretical Conference at Iowa - March 1956

Research completed this year or in progress, including individual research, supervision of graduate theses, and research aimed at improvement of teaching:

Research in low energy nuclear physics

1. Completion of nuclear electric monopole radiation work - analysis of available experiments and theories
2. Analysis of a possible neutrino detection experiment and other beta decay problems
3. Work on the nuclear many body problem

Publications - Co-author, Title, Journal or Publisher, Volume, Page, and Date; including reports prepared for limited distribution:

with M. Goldhaber - Electromagnetic Transitions in Nuclei - Annual Reviews of Nuclear Science - Vols 5, pg 1, 1955
with E. Church - Electric Monopole Transitions in Atomic Nuclei - Phy Rev, V 100, 943 - 944 (L), 1955

Addresses - Title, organization addressed, and date:

with E. Church - Bull Amer. Phy Soc V30, #7 - Abstract C9
with E. Church - Bull Amer. Phy Soc Ser II VI - Abstract H A 7

Voluntary student-faculty activities (for example, attendance at student meetings, participation in them, individual informal counseling with students, entertaining students in your home or elsewhere, etc.):

Other professional activities, including summer work:
UNIVERSITY OF ILLINOIS
COLLEGE OF ENGINEERING — DEPARTMENT OF Physics

May 1, 1955 to April 30, 1956

RECORD OF TEACHING, ADMINISTRATION, RESEARCH, AND GENERAL ACTIVITIES

NAME: John C. Wheatley  Highest Degree: Ph.D.

Academic Rank: Asst- Prof.  Admin. Title: 

Time devoted to University work according to official appointment:  X Full Time; 3/4; 2/3; 1/2; 1/3; 1/4; Time.

TEACHING:  Teaching program for the current academic year was reported to the Bureau of Institutional Research as 100 percent of full load in the fall semester and 100 percent in the spring semester. (Department secretary may fill in this information.)

RESEARCH:  Percent of official appointment time devoted to research was reported to the Bureau of Institutional Research as percent of a full load in the fall semester and percent in the spring semester. Major projects and areas of specialization are:

OTHER DUTIES:  University duties not directly credited to teaching and research occupy an average of clock hours per week. The principal time-consuming duties are:

MEMBERSHIP ON COMMITTEES:

Department:

College:

University:

Technical Societies and Advisory Groups:
PROFESSIONAL ACTIVITIES:

New degree, and name of institution granting:

Membership in technical societies and fraternities:

Attendance at meetings of technical societies:

Research completed this year or in progress, including individual research, supervision of graduate theses, and research aimed at improvement of teaching:

Publications — Co-author, Title, Journal or Publisher, Volume, Page, and Date; including reports prepared for limited distribution:


Addresses — Title, organization addressed, and date:


Voluntary student-faculty activities (for example, attendance at student meetings, participation in them, individual informal counseling with students, entertaining students in your home or elsewhere, etc.):

Other professional activities, including summer work:
Publications Used in 1955-56 Annual Report

Relaxation Processes in Ferromagnetic Interactions between spin waves
Photon Multiplicities with Photodeposition
Implications of the Photomultiplier Effect
Seven neutron with half-lives
Electron-phonon interaction
Effect of screening
Effect of point imperfections
Influence of exchange and correlation
Effect of point imperfections
Effective range approach
Theory of photoproduction
Some notes on non-renormalization
Effect of tensor force on the level structure

a direct measurement of the effect
The proton-nucleon coupling constant
The effect of pressure on the superconducting
Fourteen A Speckle in Kao-olin minerals
Model for asymmetric fission
Heavy mesons produced by 2.2, 3.0 Betatron
Ratio of magnetic moments of Co$^58$ + Co$^60$
Gap density measurements of nuclear
Evidence for nuclear interaction
Nuclear amplitudes of nuclear
Disintegration produced in nuclear
Amplitudes of nuclear
The polarization of 3.3 MeV protons
Attainment of very high energy by means
The velocity of dislocations

Crystals in aluminum
Influence of impurities and imperfections
Radiation disarrangement of crystals
Radiation disarrangement of crystals
Electrical resistivity's tensor for Al

The relation between photoproduction and scattering of mesons in hydrogen
Some low state in secondary photo-disintegration
A new type of electric delay line
Impurities and imperfections in metallic diffusion
Spatial extension of the proton may moment
Mobility of slow electrons in polar crystals
<table>
<thead>
<tr>
<th>Publication</th>
<th>Author(s)</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRL 1: 1210-11</td>
<td>M. Combie</td>
<td>Theory of Color Centers in the Alkali Halides</td>
</tr>
<tr>
<td>PRL 1: 1209-10</td>
<td>M. Combie</td>
<td>Photoelectric and Conductivity in Silver Chloride, Zinc Blende, and Indium Antimonide Vacancies in Metallic Sodium</td>
</tr>
<tr>
<td>PRL 1: 1209-10</td>
<td>M. Combie</td>
<td>Condensation Coordinate Curves for F Centers in Alkali Halide Crystals</td>
</tr>
<tr>
<td>PRL 1: 14473-79</td>
<td>M. Combie</td>
<td>Pulsed Multipliers for Fast Scintillation Counting</td>
</tr>
<tr>
<td>PRL 1: 1207-11</td>
<td>M. Combie</td>
<td>Measurement of Rises and Decay Times of Three Fast Scintillators Including a Special Plastic</td>
</tr>
<tr>
<td>PRL 1: 1207-11</td>
<td>M. Combie</td>
<td>Mueller Welled Liquid Hydrogen Target</td>
</tr>
<tr>
<td>PRL 1: 1207-11</td>
<td>M. Combie</td>
<td>Pulsed Counting Photometry in Microreaction Energy Stability of the 22.5 Mev Scattering at 0.1 Ill Photoprotons from Oxygen</td>
</tr>
<tr>
<td>PRL 1: 1207-11</td>
<td>M. Combie</td>
<td>C 12 (e, n) yield curve near threshold</td>
</tr>
<tr>
<td>PRL 1: 1207-11</td>
<td>M. Combie</td>
<td>Detailed study of the C 12 (e, n) O 15 reaction</td>
</tr>
<tr>
<td>PRL 1: 1207-11</td>
<td>M. Combie</td>
<td>Analysis of the O 15 (e, p) reaction in argon 40</td>
</tr>
</tbody>
</table>

---

**Free magnetic induction in nuclear quadrupole resonance**

**Photoelectric properties of the electron by 95 MeV Pion Mesonium**

**Reflected objective for microspectroscopy**

**Nuclear electron interaction**

**Electron spin resonance of Na centers**

**Recoil production in proton-proton collisions**

**Electron production of neutral photo-electrons in helium**

**Small angle x-ray scattering from precipitates in cold-worked Al and Al-Zn**

**Two-nucleon potential from the cut-off Yukawa theory**

**Effect of antimony impurity on self-diffusion of silver**

**Angular correlation**

**Helium wave equation**

**Convergence of photo-production of He reions in hydrogen, iron, molybdenum, and tantalum of 1952**

**Convergence of photo-production of H reions from hydrogen, iron, molybdenum, and tantalum of 1952**

**Electron photoelectric measurements of Ca 43**

**On the Theory of the Kirkendall Effect**
<table>
<thead>
<tr>
<th>Author</th>
<th>Title</th>
<th>Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bardasch</td>
<td>The field effect and surface conductance on germanium.</td>
<td>1955</td>
</tr>
<tr>
<td></td>
<td>Further studies on the field effect and surface conductance on germanium</td>
<td></td>
</tr>
<tr>
<td>Bassani</td>
<td>Calculations on the interactions between equilibrium and defect states</td>
<td>1955</td>
</tr>
<tr>
<td>Bernardini</td>
<td>Further studies on phototransduction.</td>
<td>1955</td>
</tr>
<tr>
<td>Chiarotti</td>
<td>Preliminary reports on the Andrade effect.</td>
<td>1955</td>
</tr>
<tr>
<td>Hahn-Schaw</td>
<td>The energy spectrum of the primary cosmic radiation.</td>
<td>1955</td>
</tr>
</tbody>
</table>

19 Articles

14 Letters (incl. one Errata)


---

The following reprints are available, and we will be glad to send any you may request as long as the supply lasts. There are a limited number of copies of reprint lists numbers 3, 5, 6, 7, 8, and 9 available on request. Indicate articles of which you wish to receive reprints, sign your name below, and return this list to the Secretary, Department of Physics, University of Illinois, Urbana, Illinois.


448. Identification of Mo\(^{91}\) and Mo\(^{91}\)m. Peter Axel, J. D. Fox, and R. H. Parker. The Physical Review, 97, 975-977 (1955).


