A STUDY ON THE CORRELATION OF COUREE GRADES IN EMGLISH WITH SCORES OK STANDARDIZED Readng tuses

# A STUDY OR THE CORRELATION OP COUREE GRLDES IT ENGLISH WITH SCORES ON STARDARDIKED RHADING HESTS 

A Thesis<br>presented to<br>the Paculty of the Department of Psychology<br>) University of Houston

In partial Fulfillment of the Requirement for the Degree Master of Psychology

## by

Seas Graves Bolton
June 1952

# A SAUDY ON THE CORRELATION OF COURSE GRADES IV LNGLISH VITH SCORES ON STGNDARDIZED READING \$2STE 

An Abstract of a Thesis Fresented to the Faculty of the Department of Psychology University of Houston

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## ABSTRACT

It was the purpose of thia study to determine the degree of correlation between the academic achievement Iin English and the readirg ability of a number of studente of the Freshmen Class at the University of Houston. 1951.

The course grades in English 121 were correlated with the scaled scores made on The Cooperative English Test, Fest C2: Reading Comprehension, Form S and also With the raw ecores made on The Peychological Examination for College Freshman. The Pearson product-momentilt method of correlation wes used. All scores were tabulsted, and a histogram was made for each eet of scores and grades to give a pletorial representation of the distributions.

Literature was reviewed to find the viewpoint of authoritise concerning the relationship between seholastic achievement in English and reading ability.

The histograms of the scores on the standerdized reading test and on the "linguistic" teat pietured. normal distributions with the scores following the course of a normal ourve. The histograms of the course grades showed a tendency of the grade scores to oluster around the srithmetio mean.

The coeficient of oorrelstion between the singlish 121 course grades and the total reading scores proved to be a positive .445. Tte ooefileient of correlation between the course erades and the "Linguistic" scores proved to be a positive .492. The standard error for each coosfioient was . OZ therefore the coefficients were etatistically signifioant.

The implieations that arose from this tudy were: a possibility $\mathcal{L}$ or further researeh on correlation after more intensive work on reading, a need for a more standsrdized method of the administering of grades by the inetructors, and recognition of the necessity of remedial instruction for those students who are severely handicapped in the ability to read well.

## TABLE OF CONRLNTS

1. THE PROBIEM AND DEFINITICNS OF TERUS UEED. . 1The problen . . . . . . . . . . . . . 3
Statement of the problem ..... 3
Importance of the study ..... 3
Definitions of terms used ..... 4
Correlation ..... 4
Cooficient of correlation ..... 4
Pearson's productmoment coefficient
of correlation ..... 4
Scaled Score ..... 4
Raw seore ..... 5
II. REVEEW OF TEE LITERATURE ..... 6
Ifterature on the relationship of read-
ing ability to soholastic achievement . . ..... 6
Literature as an ale in the interpretation
of the results of the study ..... 7
III. MATERTALS USED ADD GROSES STUDIED ..... 12
test materials and methods used ..... 12
The Cooperative English Test, Test C2:
Reading Comprehension, Form S ..... 12
CHAP里ER ..... PAGE
The Psychological Examination for
College Freshmen . . . . . . . . . . 12
Group used ..... 12
Method used ..... 12
IV. RESULTS OF THE STUDY ..... 25
V. SUMTARY AND RECOMDEMDATIONS ..... 39
BIBLIOGRAPHY ..... 42

LTEN OF FIGURES
FIGURE ..... page
2. H1stogram of Scores on the cooperative Enclish Test. rest C2: Readine Com- prehension Form 8 . . . . . . . . . . ..... 37
2. Histogrum of minguistie soorem on theEsychological Examination forCollege Freshran . . . . . . . . . . . . 37\%. Histogram of English Course Gradesused in the Total Heading Correlation . . 28
4. Histogram of English Course Grades
used in the Linguistio Correlation ..... 38

## TABLE

TABLE ..... PAGE1. Course Gredes in Freahman English.scaled scores on geading Comprehensionand Rew Scores on Linguietic Ability . . 14

## CHAPTER I

THE PROBLEM AND DEFINITIONS OP TERMS OED

Much has been done in colleges in recent years on increasing the reading ability of their students. Students have been helped to develop skills in compretension, in speed, in skimming, in noting the author's viewpoint. in reading for details to answer specific questions, in outlining and in knowing or inferring the meanings of difficult words. Many instructors bosieve that reading ability has positive relationship to scholastic attainment. strange stater that such a relationship is positive, but that it is not true that there in invariably close relationship between the two factors. She ${ }^{2}$ also states that there is a substential relationship between academic achievement and the type of reading that college students have to

[^0]do: to discriminate in selecting facts while reading, to read critically, to make aistinctions, and to read rapidiy enough to cover the required material. There is no doubt that definite improvement in the skill of readiag has been accomplished in many colleges. huthorities, nowever. seem to disagree as to whether or not this improvement in reading has any definite correlation with improvement in college courses.

Center and Persons ${ }^{3}$ ay that readers read no better than they think so, that training in reading is training in thinking. Johnson o'connor ${ }^{4}$ ates an experiment at stevens Institute of Pechnology where adiaite relationship was noted between vocabulary improvement ana scholsatie achievement. Another author ${ }^{5}$ says that oollege zaglish consista of resding litersture, of oral composition, and of written composition, and that the firet of these receives the greatest share of attention.

[^1]He implies that learaing correct English depends to a great extent upon the ability to read. This presupposes that the student read rapidiy and well the literature assigned.

## I. THE PROBLLM

Statement of the problem. It was the purpose of this study (1) to correlate the total reading scores made by approximately aix nundred freshonen atudente of The University of Houston in the $5 a l$ of 1951 on a Cooperative Reading Fest. American Counoil on Eduostion. 6 with the course grades made on fnglish 131 of the fall semester; (2) to correlate the "inguistio" soores on The Psychological Examination for College Freshmen. American Council on Education, ${ }^{7}$ with the same course grades made on English 131 that fall semester.

Importanoe of the atady. As opinions vary on the definite relationship between reading ability and achievement in oollege courses, the English Dopartment of the

[^2]University of Houston is interested in ascertaining this correlation in ite own school. This might be of positive value in the future planning of work on remedial reading for new students entering the University of Houstion.

## II. DEFINITIONS OF TERMS USED

Correlation. Correlation is the cegre of relationship existing between two or more sete of measures.

Coeffiaient of Correlation. A coefficient of correlation is a single number that tells to what oxtent two thinge are related, that is. to what extent variations in the one correspond with variations in the ather. A plus 1.00 indictites a perfect positive correlation; a zero indicates no correlation; and a minus 1.00 indicates perfect negetive correlation.

Pearson's product-moment coefficient of correlation.
The fearson's product-moment coefficient of correlation is the standard kind of coefficient, and it is computed by a basic Lormala.

Scaled score. whe sixe of the unit on the common soale is defined as tenth of the standard deviation of the diatribution of scores which would be made by an
unselected group of students. 11 they were all to take the particular subject** ${ }^{8}$

Raw Score. Raw soores are quantitive measures
obtained dixectiy by seoring a test.

Directions for Administering the Cooperative Tests. (New York: The cooper inve Tert Division of the educitional mesting Service. 2942). p. 6.

## CHAPTER II.

## EEVIEW OF THE LITERATURE

1. Iiterature on the relationship of reading ability to soholatic achievement. Etatiatioal data on correlations between reading tbility and seholatio dohievemont are meager. much has been written on the relationship of the two. and many authore assume a direct positive relationchip. Until recent years high schools and colleges were not interested in reading ability as related to achievement. Reading was the problem of the elementary sehool.

In fact. the improvement of reading of nighschool and college studeats is no frequently approached with more enthusiasm than understanding, and the ineviteble tendency to exploit a new eaucational trend is already apparent."1

According to Adams, Gray, and Reese, 2 reading holds the first place of all the aide to learning.

[^3]They state that the studeat will be bankrupt as far as scholastic success is concerned without this "oulturel tool".
2. Interature as an in the interpretation of the resulta of the study. The rewults of this study seen to substantiate the belief that there is a positive relationchip between cholastic achievement and the ability to read. The plus 445 coefficient of correlation between English 181 courge grades and the total reading seores and the plus .492 coefficient of correlation between Inglish 131 course grades and the winguigtie" socres show moderate correlation with substantial relationahip. Ruoh ${ }^{3}$ states that the fact that two things are related does not prove that one is the cause of the others and that. when two eeta of factars seem to influence each other, caution must be taken to make cure that they are not both being influenced by a thira set of factors.

The measurement of the relationship between reading ability and scholastic attainment cian be only an

[^4]approximate indication even though the relationship is a statiatical correlation. This is due to the fact that so many factors might be involved. In this case the factors relating to the administering of course grades would probakly influence the relationship. Intelligence, pleasine personality, regular attendance, interest in the subject matter, personal likes and dislikes of the students and the instructor, cheating, and the effort expended are some of the most powerful factors which effect the trend of course grades. The emotional factor should not be disoounted. Grace $u$. Fernald says that emotional stability is so serious that it is difficult to tell which comes first, the failure in academic work or the emotional upset. some students fall because they are emotionally unstable; others are emotionally unstable because they are not succeeding. Russell ${ }^{5}$ belleves that there is a positive correlation between physical, mental, social, and emotional development and the ability to read well. Teagarden

[^5]helps to verify this conoept when he states that

*     - research in the field of reading aisability has brought into the foreground the fact that very often fallure in academic subjects is caused primarily by emotional blockings or personal motional problems...6

In adaition to consideration of the lactors mentioned above, when interpretating the cooficients of correlation obtained, the fact that reading and language are intrinsically related must also be weighed. The broader concept is that

- . reading is no longer conceived to be
an isolated fragment of the lagruage arts but a
facet of language.
Reading is a language process rather than a
subject. In psyohological sense, reading
is a thinking process. . . Psychophysiological
factors. such ae seeing and hearing, also are
embraced by an adequate concept of reading as
a process.?

In answering the question as to whether or not poor readig ability is associated with poor senolastic wori, one author asserts.

[^6]The prevalent opinion of teachers that poor reading ability is associated with poor soholarship is not, in genervi, supported by the sorrelations reported between teachers' marks and the results of reading testa. The majority of correlations between these two factors fall between. 30 and . 50 . The cogree of relationship varies greatiy with the tests and with the groupe tested. 8

As the results of this study iall at the upper limit of the above set linits. a more positive correlation might be ascuned in these two sets of scores then 1 a usually found between reading reste ana scholastio achievement. The higher coefficient of correlstion between the linguistia scores and the oourse gradea seems to indicate that a knowleage of vocabulary has a more aireot relationship to English achievement than do speed and omprehension of reading.

Whenever relationghip between two variables is established beyond reasonable doubt the faet that the correlation coefficient is mall. may merely mean that the messurement situation is contaminated by many things uncontrollea or not neld constent.
${ }^{8}$ congtance M. Mecullough. Ruth M. Strung. and Arthur E. Traxler, Problems in the Improvement of Reading. (New York: MoGraw-EI2I Book Company. Inc* 1946). p. 222.

## 11

A correlation is always relative to the situation under which it. is obtained, and its size does not repregent any absolute natural or cosmic fact.?

The coefficienta obtained should be interpreted In the light of all existing circumstances and not as an absolute value.

[^7]CHAPTER III.

MATERIALS AND GROUES STUDIED
c The Cooperative English Test. Test C2: Resding Comprehension, Form S. was used by The Division of Counseling and teeting, Center for Psycholocical Services. University of Houston, for testing the freshman students of The Univeraity in the fall of 1951. It is reading test of higher level designed to test voosbulary, speed of comprehension, und level of comprehension. The psychologioal Examination for College Froshmen was also used for the same group of students. It is a test in which the linguistic section is designed to test ability of supplying a word for a meaning, knowledge of word meanings, antonyms and eynonyms, and the ability to see verbel analogies.

Table I gives the basio data for this study. The total reading cores in the table are scaled scores; the linguietie scores are ravecores. A score of 60 represents an average score on the sealed scores. The course grades were the grades made on Freshman English 121 by students of the Ireshman Class of The Univereity of Houston 1n the fall of 1951. These grades were provided by the Department of English of the University of Houston. The number of eases used for the correlation
with the Cooperative English Test wad 610; the number of cases used for tie correlation with the feychological Examintition was $546_{i}$ of the 610 cases as 64 "linguistic" scores were not obtainable.

The method used to oorrelate the two ets of coces was the Pearson product-moment method of correlation. There were certain limitations to the study. No allowance was made for variation in intelligence. A student of high inteligence might have made low reading score because of a lack of visual acuity. On the other hand, that ame student might have made a high course grade because of superior ability shown in oral diceuscions. The differences in the amount and quality of the training of instructors was another variable element. The lack of emotional stability in eitner an instructor or a student was a inditation. These factors were disregarded in the statistical problem, but they should not be discounted in the evaluation of the results.

TABLE I
COURSE GRADES IN FRESHMAN ENGLISH
SCALED SCORES ON READINO COMPREHERSION AND
RAT SCORES ON LINGUISTIC ABILITY

| $\begin{gathered} \text { Freshman } \\ \text { Class } \\ 1951 \end{gathered}$ | $\begin{gathered} \text { Eng1ish } \\ 181 \end{gathered}$ | Reading Comprehension | Psychologieal Examination |
| :---: | :---: | :---: | :---: |
| $\begin{aligned} & \text { Case } \\ & \text { number } \end{aligned}$ | $\begin{aligned} & \text { Course } \\ & \text { Grade } \end{aligned}$ | $\begin{aligned} & \text { Totsi } \\ & \text { Score } \end{aligned}$ | $\begin{gathered} \text { inguis } \\ \text { tio } \\ \text { Score** } \end{gathered}$ |
| 1 | 65 | 43 | 48 |
| 2 | 85 | 49 | 51 |
| 3 | 85 | 52 | 63 |
| 4 | 85 | 81 | 85 |
| 5 | 85 | 50 | 55 |
| 6 | 85 | 65 | 67 |
| 7 | 85 | 50 | -- |
| 8 | 85 | 55 | 60 |
| 9 | 85 | 63 | 68 |
| 10 | 75 | 48 | 58 |
| 11 | 75 | 44 | 38 |
| 12 | 85 | 48 | 64 |
| 13 | 75 | 51 | 35 |
| 14 | 75 | 55 | 44 |
| 15 | 85 | 73 | 87 |
| 16 | 85 | 69 | 75 |
| 17 | 75 | 50 | 48 |
| 18 | 75 | 46 | 88 |
| 19 | 75 | 65 | 70 |
| 20 | 75 | 37 | -- |
| 21 | 85 | 65 | 75 |
| 22 | 75 | 47 | 39 |
| 22 | 65 | 45 | -- |
| 24 | 75 | 52 | 52 |
| 25 | 85 | 54 | 60 |
| 26 | 65 | 39 | 33 |
| 27 | 75 | 51 | 41 |
| 28 | 95 | 57 | 57 |
| 29 | 75 | 56 | 50 |
| 30 | 75 | 48 | -- |

[^8]TABLE I (Continued)
COURSE GRADES IF FRESHMAN ENGLISH SCALED SCORES OH READING COMPGEHENSION AND

Rati SCORES ON LIGGUISTIC ABILITY

| $\begin{gathered} \text { Treshman } \\ \text { Class } \\ 1951 \end{gathered}$ | $\begin{gathered} \text { Eaglish } \\ 121 \end{gathered}$ | Keading Comprem hension | $\begin{aligned} & \text { Pryoho } \\ & \text { logical } \\ & \text { Exam- } \\ & \text { ination } \end{aligned}$ |
| :---: | :---: | :---: | :---: |
| case Number | $\begin{aligned} & \text { Course } \\ & \text { Grade } \end{aligned}$ | Total Seore | $\begin{gathered} \text { Liaguis } \\ \text { tic } \\ \text { Score } \end{gathered}$ |
| 32 | 95 | 61 | 82 |
| 32 | 75 | 52 | -- |
| 33 | 75 | 47 | 57 |
| 24 | 85 | 68 | 67 |
| 35 | 75 | 60 | 53 |
| 36 | 85 | 52 | 62 |
| 87 | 75 | 55 | 42 |
| 38 | 65 | 44 | 46 |
| 39 | 85 | 64 | 64 |
| 40 | 75 | 51 | 39 |
| 41 | 75 | 42 | 42 |
| 42 | 75 | 54 | 64 |
| 43 | 75 | 55 | - |
| 44 | 95 | 69 | 77 |
| 45 | 75 | 67 | 70 |
| 46 | 85 | 47 | - |
| 47 | 65 | 42 | 33 |
| 48 | 95 | 84 | 60 |
| 49 | 86 | 57 | 78 |
| 50 | 85 | 59 | -- |
| 51 | 75 | 46 | 33 |
| 82 | 75 | 57 | 85 |
| 53 | 65 | 50 | -- |
| 54 | 85 | 65 | 79 |
| 55 | 75 | 45 | 66 |
| 56 | 75 | 54 | - |
| 57 | 95 | 57 | 73 |
| 58 | 85 | 47 | 31 |
| 59 60 | 85 75 | 67 47 | 67 46 |

TABLi I (Continued)
COURSE GRADES IN FRESHMAN ENGISH SCALED SCORES ON READINO COMPREHENSION AND
RAN SCORES OF LINGUISTIC ABILITY

| $\begin{gathered} \text { Treshman } \\ \text { Clase } \\ 1951 \end{gathered}$ | $\begin{gathered} \operatorname{Eng} 118 h \\ 181 \end{gathered}$ | Reading Comprehension | Prycho- <br> logioal <br> Exam- <br> ination |
| :---: | :---: | :---: | :---: |
| Case Number | Course Grade | Total Score | $\underset{\text { tic }}{\text { Linguis- }}$ |
| 61 | 65 | 42 | 52 |
| 62 | 85 | 66 | 71 |
| 63 | 85 | 58 | 69 |
| 64 | 85 | 59 | 74 |
| 65 | 75 | 47 | 35 |
| 66 | 85 | 63 | 68 |
| 67 | 95 | 73 | 98 |
| 68 | 85 | 53 | 48 |
| 69 | 85 | 53 | -- |
| 70 | 85 | 52 | 63 |
| 71 | 55 | 47 | 27 |
| 72 | 65 | 47 | 27 |
| 73 | 85 | 48 | 56 |
| 74 | 75 | 48 | 50 |
| 75 | 75 | 48 | 56 |
| 76 | 85 | 48 | 37 |
| 77 | 85 | 49 | 45 |
| 78 | 75 | 57 | 44 |
| 79 | 85 | 50 | 41 |
| 80 | 75 | 55 | 65 |
| 81 | 55 | 47 | 41 |
| 82 | 95 | 60 | 82 |
| 83 | 75 | 60 | 60 |
| 84 | 75 | 50 | 51 |
| 85 | 85 | 50 | 54 |
| 86 | 75 | 50 | 59 |
| 87 | 85 | 52 | 62 |
| 88 | 75 | 60 | 63 |
| 89 | 65 | 42 | 41 |
| 90 | 55 | 58 | 2 |

TABLE I (Continued)
COURSE GRADES IM FRESHMAK ENGLISH
SCALED SCORES ON READINO COMPREHENSION AND
RAW SCORES OV LIVCUISTIC ABILITY

| $\begin{gathered} \text { Freshman } \\ \text { C1ass } \\ 1951 \end{gathered}$ | $\frac{\operatorname{Eng} 118 \mathrm{~h}}{181}$ | Reading Compronension | $\begin{aligned} & \text { Payoho- } \\ & \text { logical } \\ & \text { Exam- } \\ & \text { ination } \end{aligned}$ |
| :---: | :---: | :---: | :---: |
| $\begin{aligned} & \text { Case } \\ & \text { number } \end{aligned}$ | $\begin{gathered} \text { Course } \\ \text { Grade } \end{gathered}$ | Total seore | $\begin{aligned} & \text { Linguis= } \\ & \text { tio } \\ & \text { score } \end{aligned}$ |
| 91 | 75 | 58 | 62 |
| 92 | 65 | 46 | 51 |
| 98 | 75 | 52 | 52 |
| 94 | 85 | 44 | 37 |
| 95 | 65 | 55 | 54 |
| 96 | 55 | 87 | 2 |
| 97 | 85 | 51 | 42 |
| 98 | 85 | 57 | 67 |
| 99 | 65 | 51 | 50 |
| 100 | 75 | 65 | 62 |
| 101 | 85 | 52 | 62 |
| 102 | 85 | 51 | 56 |
| 108 | 85 | 48 | -- |
| 104 | 85 | 68 | 73 |
| 105 | 75 | 55 | 63 |
| 106 | 55 | 39 | 27 |
| 107 | 85 | 56 | 53 |
| 108 | 75 | 47 | 51 |
| 109 | 75 | 42 | 46 |
| 110 | 75 | 52 | 60 |
| 111 | 75 | 54 | 58 |
| 112 | 85 | 48 | 60 |
| 113 | 95 | 64 | 75 |
| 114 | 85 | 55 | 39 |
| 115 | 75 | 48 | -- |
| 116 | 95 | 70 | 75 |
| 117 | 75 | 44 | 33 |
| 118 | 65 | 36 | 33 |
| 119 | 65 | 48 | 42 |
| 120 | 85 | 65 | 85 |

TABLE I (Continued)
COURSE GRADES If PRESEMAN ENGLISA
sGALED SCORES ON RRADING COMPREHETSIOM AND
RAK SCORES ON LINGUISTIC ABILITY

| $\begin{gathered} \text { Treshman } \\ \text { C1ass } \\ 1951 \end{gathered}$ | $\underset{131}{\operatorname{Eng} 118 h}$ | Reading Comprehension | Psycho- <br> logical <br> Exam- <br> ination |
| :---: | :---: | :---: | :---: |
| $\begin{aligned} & \text { Case } \\ & \text { Wumber } \end{aligned}$ | Course Grade | Total Score | $\begin{gathered} \text { Linguia- } \\ \text { tie } \\ \text { score } \end{gathered}$ |
| 221 | 75 | 62 | 72 |
| 122 | 55 | 45 | - |
| 123 | 55 | 62 | 67 |
| 124 | 75 | 50 | 77 |
| 125 | 85 | 49 | 39 |
| 126 | 65 | 70 | 70 |
| 127 | 75 | 45 | 38 |
| 128 | 85 | 43 | 42 |
| 129 | 98 | 71 | 86 |
| 120 | 85 | 55 | 70 |
| 181 | 75 | 51 | 50 |
| 182 | 75 | 49 | -- |
| 133 | 75 | 59 | 69 |
| 134 | 85 | 53 | 57 |
| 135 | 65 | 38 | -- |
| 136 | 85 | 60 | 65 |
| 137 | 85 | 41 | 49 |
| 138 | 95 | 74 | 83 |
| 139 | 85 | 52 | 49 |
| 140 | 85 | 63 | 65 |
| 141 | 75 | 62 | 80 |
| 142 | 85 | 57 | 62 |
| 142 | 85 | 59 | 55 |
| 144 | 55 | 56 | 72 |
| 145 | 85 | 49 | 53 |
| 146 | 75 | 46 | 44 |
| 147 | 75 | 54 | 39 |
| 14.8 | 75 | 50 | 51 |
| 149 | 65 | 48 | 44 |
| 150 | 75 | 44 | 52 |

TABLK I (Continue $\mathbb{C}$ )
COURSE GRADES IM FRESHANE ENGLISE
SCALED SCORES ON READING COMPRERENSION AND
RA雷 SCCEES ON LINGUSEIC ABILITY

| $\begin{gathered} \text { Freshman } \\ \text { C1ass } \\ 2951 \end{gathered}$ | $\begin{gathered} \operatorname{Eng} 118 n \\ 251 \end{gathered}$ | Reading Comprenemsion | Peychom logicel Examination |
| :---: | :---: | :---: | :---: |
| $\begin{gathered} \text { Case } \\ \text { Number } \end{gathered}$ | Course Grade | Total <br> Score | $\begin{gathered} \text { Linguis- } \\ \text { tie } \\ \text { Seore } \end{gathered}$ |
| 151 | 75 | 55 | 71 |
| 152 | 85 | 50 | - |
| 153 | 85 | 61 | 65 |
| 154 | 65 | 50 | 42 |
| 155 | 75 | 60 | 58 |
| $3{ }^{3}$ | \% | 61 | 62 |
| 157 | 75 | \$7 | -- |
| 158 | 65 | 45 | 88 |
| 159 | 75 | 50 | 68 |
| 160 | 95 | 69 | 87 |
| 161 | 85 | 56 | 68 |
| 162 | 85 | 60 | 54 |
| 168 | 55 | 69 | 64 |
| 164 | 75 | 55 | -- |
| 165 | 85 | 55 | 69 |
| 166 | 75 | 45 | -- |
| 167 | 75 | 43 | 44 |
| 168 | 55 | 64 | 69 |
| 169 | 85 | 63 | 60 |
| 170 | 85 | 59 | 50 |
| 171 | 85 | 60 | 61 |
| 172 | 95 | 69 | 63 |
| 178 | 65 | 51 | 41 |
| 174 | 65 | 40 | 41 |
| 175 | 75 | 52 | 58 |
| 176 | 65 | 42 | 39 |
| 177 | 66 | 48 | 50 |
| 178 | 55 | 59 | 58 |
| 179 | 65 | 51 | 71 |
| 180 | 65 | 43 | 87 |

TABLF I (Continued)
COURSI GRADES IE FRESHMAR ENGIISH
SCALED SCORES ON READING COMFREHENSION AND
RAD SCORES ON LINGUSTIC ABIEITY

| $\begin{gathered} \text { Freshman } \\ \text { C1ass } \\ 1951 \end{gathered}$ | $\begin{gathered} \operatorname{Eng} 118 \mathrm{~h} \\ 181 \end{gathered}$ | Hesding Compre hension | Esycho10gical Examintation |
| :---: | :---: | :---: | :---: |
| cese Number | Course Grede | Total <br> Score | $\begin{gathered} \text { Linguis- } \\ \text { tio } \\ \text { seore } \end{gathered}$ |
| 181 | 85 | 64 | 68 |
| 182 | 75 | 45 | 24 |
| 183 | 55 | 47 | -* |
| 184 | 65 | 57 | - 4 |
| 185 | 75 | 85 | 56 |
| 186 | 65 | 39 | 31 |
| 187 | 85 | 64 | 81 |
| 188 | 85 | 61 | 62 |
| 189 | 75 | 60 | 46 |
| 190 | 95 | 55 | 72 |
| 191 | 75 | 46 | -- |
| 192 | 75 | 55 | 7.7 |
| 193 | 95 | 63 | 69 |
| 194 | 95 | 58 | 62 |
| 195 | 85 | 59 | 65 |
| 196 | 75 | 56 | 60 |
| 197 | 85 | 65 | 71 |
| 198 | 85 | 61 | 74 |
| 199 | 65 | 44 | 45 |
| 200 | 55 | 41 | 2 |
| 201 | 75 | 52 | 45 |
| 202 | 75 | 47 | 62 |
| 203 | 75 | 51 | -- |
| 204 | 75 | 42 | -- |
| 205 | 85 | 52 | 63 |
| 206 | 85 | 69 | 72 |
| 207 | 75 | 49 | 53 |
| 208 | 75 | 51 | 45 |
| 209 | 65 | 50 | 39 |
| 210 | 75 | 38 | 23 |

TABLE I (Continued)
COURSE GRADES IR ERESHMAN EMGLISH SCALED SCORES ON READING COMPREHENSION AND

Raf SCORES ON LINGUISTIC ABILITY

| $\begin{gathered} \text { Freshman } \\ \text { C1ass } \\ 1951 \end{gathered}$ | $\begin{gathered} \text { Eng } 118 \mathrm{~h} \\ 181 \end{gathered}$ | Reading Compre hension | Psycho- <br> logical Examination |
| :---: | :---: | :---: | :---: |
| $\begin{aligned} & \text { Case } \\ & \text { Number } \end{aligned}$ | Course Grade | Total <br> Score | $\begin{gathered} \text { Linguis- } \\ \text { tio } \\ \text { Score } \end{gathered}$ |
| 211 | 75 | 43 | 47 |
| 212 | 55 | 66 | 60 |
| 213 | 55 | 40 | 37 |
| 214 | 75 | 59 | 78 |
| 215 | 75 | 52 | 48 |
| 216 | 75 | 47 | 42 |
| 217 | 55 | 25 | 39 |
| 218 | 85 | 63 | 75 |
| 219 | 85 | 53 | 53 |
| 220 | 85 | 58 | 66 |
| 221 | 75 | 59 | -- |
| 222 | 85 | 59 | 54 |
| 223 | 75 | 55 | 59 |
| 224 | 75 | 52 | 54 |
| 225 | 75 | 66 | -- |
| 226 | 75 | 44 | 60 |
| 227 | 65 | 37 | 43 |
| 228 | 65 | 42 | 37 |
| 229 | 95 | 73 | 90 |
| 230 | 85 | 61 | 66 |
| 231 | 95 | 76 | 90 |
| 232 | 85 | 51 | 50 |
| 233 | 75 | 54 | 39 |
| 234 | 85 | 48 | 48 |
| 225 | 85 | 68 | 75 |
| 236 | 85 | 71 | 71 |
| 237 | 75 | 45 | 39 |
| 238 | 55 | 46 | -- |
| 239 | 85 | 56 | 45 |
| 240 | 85 | 50 | 47 |

TABLH I (Continued)
COURSE GRADES IN FRESHMAN ERGLISH SCALED SCORES ON READING COAPREHRNEIOR AND

RAW SCORES ON LINGULSTIC ABILITY

| $\begin{gathered} \text { Freshman } \\ \text { Class } \\ 1951 \end{gathered}$ | $\begin{gathered} \operatorname{Lng} 118 \mathrm{sh} \\ 151 \end{gathered}$ | Reading Comprem hension | Psycho- <br> logical Examination |
| :---: | :---: | :---: | :---: |
| Case Number | $\begin{gathered} \text { Course } \\ \text { Grade } \end{gathered}$ | Total Score | $\begin{gathered} \text { Linguis- } \\ \text { tio } \\ \text { Soore } \end{gathered}$ |
| 241 | 75 | 29 | 43 |
| 242 | 75 | 58 | 70 |
| 248 | 95 | 51 | 61 |
| 244 | 85 | 50 |  |
| 245 | 75 | 46 | 37 |
| 246 | 55 | 48 | 39 |
| 247 | 55 | 42 | -- |
| 248 | 75 | 88 | 38 |
| 249 | 75 | 46 | -- |
| 250 | 85 | 52 | 72 |
| 251 | 85 | 50 | 51 |
| 252 | 75 | 54 | 45 |
| 253 | 55 | 40 | 27 |
| 254 | 85 | 56 | - |
| 255 | 75 | 52 | 41 |
| 256 | 65 | 61 | - |
| 257 | 55 | 39 | 41 |
| 258 | 75 | 51 | 55 |
| 259 | 85 | 51 | 59 |
| 260 | 95 | 66 | 87 |
| 261 | 75 | 51 | 65 |
| 262 | 75 | 50 | 52 |
| 263 | 85 | 66 | 87 |
| 264 | 75 | 61 | 78 |
| 265 | 65 | 43 | -- |
| 266 | 85 | 58 | 66 |
| 267 | 75 | 46 | 48 |
| 268 | 75 | 59 | 66 |
| 269 | 85 | 60 | 64 |
| 270.6 | 85 | 48 | 46 |

TABLS I (Continued)
COURSE GRADES IM FRESEMAT ENGLISH
SCALED SCORES ON READING CCUPEEMEMSION AMD
RAV SCORES ON LINGUISTIC ABIEITY

| $\begin{gathered} \text { Freshman } \\ \text { C1ass } \\ 1951 \end{gathered}$ | $\begin{gathered} \text { English } \\ 201 \end{gathered}$ | Reading Comprehension | peycho- <br> logiod <br> Exam- <br> ination |
| :---: | :---: | :---: | :---: |
| $\begin{array}{r} \text { Case } \\ \text { number } \end{array}$ | $\begin{aligned} & \text { Course } \\ & \text { Grade } \end{aligned}$ | Tots1 Score | $\begin{gathered} \text { Linguis- } \\ \text { tie } \\ \text { score } \end{gathered}$ |
| 271 | 85 | 50 | 56 |
| 272 | 55 | 65 | 55 |
| 273 | 85 | 56 | 60 |
| 274 | 75 | 50 | 51 |
| 275 | 95 | 71 | 78 |
| 276 | 75 | 50 | - |
| 277 | 65 | 44 | 42 |
| 278 | 85 | 62 | 75 |
| 279 | 75 | 55 | 45 |
| 280 | 85 | 63 | 81 |
| 281 | 65 | 41 | 56 |
| 282 | 75 | 51 | 59 |
| 283 | 85 | 62 | 66 |
| 284 | 85 | 71 | -- |
| 285 | 85 | 72 | 85 |
| 286 | 65 | 41 | 34 |
| 287 | 65 | 59 | 76 |
| 288 | 55 | 48 | 39 |
| 289 | 75 | 47 | 31 |
| 290 | 85 | 51 | 57 |
| 281 | 55 | 40 | 27 |
| 292 | 55 | 26 | 44 |
| 298 | 75 | 52 | 55 |
| 294 | 85 | 50 | 49 |
| 295 | 85 | 64 | 63 |
| 296 | 85 | 52 | 73 |
| 297 | 75 | 46 | 56 |
| 298 | 85 | 47 | 55 |
| 299 | 75 | 66 | 64 |
| 300 | 75 | 59 | 78 |


CCALED SCORES OR READHO COHPREWENEIOR ADD
Sat scoke o

| $\begin{gathered} \text { Treahman } \\ \text { Clas } \\ 1951 \end{gathered}$ | $\begin{gathered} \operatorname{tng} 118 \mathrm{n} \\ 131 \end{gathered}$ | Reading Comprehenaion | $\begin{aligned} & \text { Fsycho- } \\ & \text { loeical } \\ & \text { Exam } \\ & \text { ination } \end{aligned}$ |
| :---: | :---: | :---: | :---: |
| Case <br> Number | $\begin{aligned} & \text { Course } \\ & \text { Grade } \end{aligned}$ | Total <br> seore | $\begin{gathered} \text { Linguiz- } \\ \text { tio } \\ \text { Soore } \end{gathered}$ |
| . 301 | 75 | 56 | 55 |
| 802 | 75 | 50 | - |
| 203 | 85 | 66 | 57 |
| 204 | 65 | 42 | 34 |
| 205 | 65 | 34 | 33 |
| 326 | 85 | 63 | 68 |
| 307 | 85 | 51 | -- |
| 308 | 55 | 56 | 60 |
| 809 | 75 | 61 | 49 |
| 310 | 75 | 26 | 39 |
| 811 | 85 | 68 | 78 |
| 212 | 75 | 39 | 31 |
| 318 | 65 | 51 | 63 |
| 214 | 65 | 48 | 44 |
| 315 | 55 | 40 | 49 |
| 216 | 75 | 52 | 55 |
| 317 | 55 | 49 | 41 |
| 818 | 65 | 56 | 50 |
| 819 | 85 | 52 | 63 |
| 220 | 75 | 54 | 68 |
| 321 | 85 | 60 | 69 |
| 322 | 75 | 62 | 68 |
| 223 | 65. | 44 | 38 |
| 324 | 75 | 61 | 56 |
| 325 | 76 | 54 | 64 |
| 526 | 65 | 39 | 81 |
| 327 | 75 | 26 | 23 |
| 228 | 95 | 64 | 79 |
| 329 | 75 | 49 | 52 |
| 830 | 55 | 62 | 74 |

TABLE I (Continued)
25

COURSE Grades Im Freshman english
SCALED SCORES ON RRADIHG COKPREHENCION AMD
RAE SCORES OH LIMGUISTIC ABILITY

| $\begin{gathered} \text { Freshman } \\ \text { C1azs } \\ 1951 \end{gathered}$ | $\begin{gathered} \operatorname{Eng} \frac{18}{12} \end{gathered}$ | Reading Comprehension | Paycho- <br> logical <br> Bxam- <br> Ination |
| :---: | :---: | :---: | :---: |
| Case wimber | Course Grade | Total <br> Seore | $\begin{gathered} \text { Linguis- } \\ \text { tic } \\ \text { seore } \end{gathered}$ |
| 331 | 85 | 51 | 46 |
| 882 | 75 | 63 | 60 |
| 233 | 75 | 48 | 44 |
| 284 | 75 | 52 | 63 |
| $2 ¢$ | 75 | 86 | 23 |
| 286 | 75 | 49 | 50 |
| 367 | 75 | 46 | 56 |
| 238 | 65 | 56 | 58 |
| 339 | 65 | 42 | 42 |
| 340 | 95 | 57 | 68 |
| 341 | 75 | 44 | 27 |
| Z42 | 55 | 48 | 47 |
| 243 | 85 | 63 | 81 |
| 344 | 65 | 48 | 41 |
| 345 | 85 | 48 | 42 |
| 346 | 85 | 50 | 64 |
| 347 | 65 | 53 | 46 |
| 348 | 85 | 70 | -- |
| 849 | 95 | 57 | 72 |
| 850 | 75 | 42 | 27 |
| 351 | 75 | 58 | 70 |
| 352 | 75 | 45 | 27 |
| 253 | 75 | 69 | 74 |
| 354 | 75 | 44 | 53 |
| 855 | 75 | 64 | 90 |
| 356 | 85 | 48 | 37 |
| 357 | 75 | 65 | 75 |
| 358 | 75 | 51 | 48 |
| 659 | 75 | 47 | 75 |
| 860 | 75 | 59 | 65 |

TABLE I (Continued)
COURSE GRADES IN FREOHMA EHGLISH SCALED SCORES ON READING COMPREHANEICN AND
raw scoris on limguictic ability

| $\begin{gathered} \text { Freshonan } \\ \text { Class } \\ 1951 \end{gathered}$ | $\frac{\operatorname{Eng} 12 s h}{121}$ | Reading Comprehension | Foychological Examination |
| :---: | :---: | :---: | :---: |
| Case number | Course Grade | $\begin{aligned} & \text { Total } \\ & \text { Score } \end{aligned}$ | $\begin{gathered} \text { Linguis- } \\ \text { tio } \\ \text { soore } \end{gathered}$ |
| 361 | 85 | 66 | 66 |
| 362 | 75 | 46 | 43 |
| 363 | 75 | 49 | 54 |
| 264 | 75 | 54 | 44 |
| 265 | 85 | 48 | 44 |
| 266 | 85 | 54 | 50 |
| 867 | 75 | 53 | 48 |
| 368 | 85 | 56 | 60 |
| 369 | 75 | 51 | 51 |
| 370 | 65 | 59 | 69 |
| 371 | 85 | 61 | 87 |
| 872 | 75 | 48 | 61 |
| 373 | 85 | 60 | 75 |
| 874 | 85 | 54 | 58 |
| 275 | 75 | 29 | 61 |
| 276 | 75 | 38 | 31 |
| 277 | 65 | 58 | 54 |
| 278 | 75 | 66 | -* |
| 279 | 85 | 67 | 58 |
| 880 | 75 | 52 | 62 |
| 281 | 65 | 42 | 23 |
| 382 | 95 | 83 | 98 |
| 888 | 85 | 46 | 41 |
| 384 | 85 | 69 | 74 |
| 385 | 75 | 52 | 61 |
| 386 | 75 | 88 | 72 |
| 287 | 75 | 54 | 61 |
| 388 | 55 | 51 | -- |
| 289 | 65 | 87 | 24 |
| 390 | 85 | 60 | 61 |

TABLR I (Continded)

SCALED SCORES ON READE行 COWREEHEMSIOM AND
ELW SCORES ON EIMGUESTC ABIDITY

| $\begin{gathered} \text { Treshman } \\ \text { C1ass } \\ 1951 \end{gathered}$ | $\underset{182}{\text { English }^{2}}$ | Reading Comprehension | Isychologiand ExamInation |
| :---: | :---: | :---: | :---: |
| Case Number | Course Grade | Total score | $\begin{aligned} & \text { Ineuis- } \\ & \text { tio } \\ & \text { coore } \end{aligned}$ |
| 391 | 65 | 50 | -* |
| 892 | 85 | 52 | 54 |
| 298 | 85 | 68 | 62 |
| 294 | 85 | 61 | 78 |
| 295 | 95 | 65 | 78 |
| 296 | 75 | 27 | -- |
| 897 | 85 | 58 | 72 |
| 298 | 65 | 47 | 57 |
| 399 | 85 | 64 | 72 |
| 400 | 55 | 51 | -- |
| 401 | 75 | 52 | 34 |
| 402 | 85 | 54 | 63 |
| 403 | 75 | 63 | -- |
| 404 | 55 | 52 | 64 |
| 405 | 75 | 41 | 41 |
| 406 | 85 | 47 | 48 |
| 407 | 65 | 25 | 23 |
| 408 | 85 | 54 | 61 |
| 409 | 75 | 57 | 66 |
| 410 | 55 | 37 | 2 |
| 411 | 65 | 55 | 50 |
| 412 | 85 | 62 | -- |
| 413 | 75 | 48 | - |
| 414 | 88 | 64 | 61 |
| 415 | 85 | 63 | -- |
| 416 | 65 | 49 | - |
| 417 | 75 | 55 | 55 |
| 418 | 85 | 45 | - |
| 419 | 85 | 57 | 34 |
| 420 | 75 | 51 | 72 |

TABLE I (Continued)
COURSE ORADES IN FRESMEN ENGLISH SCALED SCORES ON READING COMPREHEMSION AND

RAW SCORES ON LINGUISHIC ABILITY

| $\begin{gathered} \text { Freshmen } \\ \text { C1ass } \\ 1951 \end{gathered}$ | $\begin{gathered} \text { Eng } 116 \mathrm{~h} \\ 131 \end{gathered}$ | Reging Compre" hension | Peycho- <br> logical <br> Exam- <br> ination |
| :---: | :---: | :---: | :---: |
| $\begin{aligned} & \text { Case } \\ & \text { Humber } \end{aligned}$ | Course Grede | Sotal Score | $\begin{gathered} \text { Linguis- } \\ \text { tio } \\ \text { Score } \end{gathered}$ |
| 421 | 65 | 54 | 49 |
| 422 | 95 | 76 | 86 |
| 428 | 75 | 42 | 43 |
| 424 | 75 | 45 | 31 |
| 425 | 85 | 70 | 67 |
| 426 | 85 | 47 | 47 |
| 427 | 75 | 89 | 37 |
| 428 | 75 | 47 | 49 |
| 429 | 75 | 43 | 46 |
| 430 | 75 | 57 | 62 |
| 481 | 75 | E3 | 56. |
| 432 | 75 | 38 | 44 |
| 438 | 75 | 45 | 45 |
| 424 | 85 | 53 | 52 |
| 485 | 65 | 52 | 55 |
| 486 | 75 | 51 | 45 |
| 437 | 75 | 48 | 83 |
| 488 | 85 | 61 | 81 |
| 429 | 75 | 49 | 37 |
| 440 | 75 | 47 | 45 |
| 441 | 75 | 52 | 47 |
| 442 | 75 | 54 | 57 |
| 443 | 55 | 41 | 37 |
| 444 | 85 | 52 | 54 |
| 445 | 85 | 47 | 45 |
| 446 | 65 | 60 | 67 |
| 447 | 85 | 65 | 70 |
| 448 | 95 | 60 | 80 |
| 449 | 65 | 40 | 58 |
| 450 | 85 | 52 | 48 |

## COURSE GRADES IH FRESHMAN EWGLISE

SCALED SCORES OR READING COMEREHENSIOR AND
RAN SCORES OA LINGUISTIC ABILITY

| $\begin{gathered} \text { Freshman } \\ \text { Class } \\ 1951 \\ \text { rcs } \end{gathered}$ | $\begin{gathered} \operatorname{Eng} 118 \mathrm{~h} \\ 181 \end{gathered}$ | Reading Comprehenzion | $\begin{aligned} & \text { Pgycho- } \\ & \text { logioal } \\ & \text { Exam- } \\ & \text { ination } \end{aligned}$ |
| :---: | :---: | :---: | :---: |
| Case | $\begin{aligned} & \text { Courge } \\ & \text { Grade } \end{aligned}$ | Tote 1 soore | $\begin{gathered} \text { Linguis- } \\ \text { tio } \\ \text { Soore } \end{gathered}$ |
| 451 | 65 | 62 | 75 |
| 452 | 85 | 70 | 81 |
| 458 | 75 | 62 | 20 |
| 454 | 85 | 39 | 50 |
| 455 | 75 | 44 | 50 |
| 456 | 85 | 50 | 56 |
| 457 | 75 | 49 | 47 |
| 458 | 75 | 39 | 23 |
| 459 | 85 | 65 | 78 |
| 460 | 75 | 38 | 37 |
| 461 | 75 | 54 | 54 |
| 462 | 85 | 61 | 69 |
| 463 | 95 | 53 | 63 |
| 464 | 85 | 64 | 61 |
| 465 | 55 | 51 | 80 |
| - 466 | 75 | 46 | 52 |
| 467 | 65 | 42 | 27 |
| 468 | 75 | 53 | 64 |
| 469 | 75 | 37 | 21 |
| 470 | 75 | 65 | 61 |
| 471 | 75 | 62 | 48 |
| 472 | 95 | 57 | 59 |
| 478 | 85 | 56 | 64 |
| 474 | 85 | 61 | 80 |
| 475 | 75 | 56 | 54 |
| 476 | 75 | 55 | 53 |
| 477 | 75 | 56 | 63 |
| 478 | 75 | 49 | 33 |
| 479 | 75 | 52 | 49 |
| 480 | 85 | 52 | 56 |

TAGLE I (Continued)
COURSE GRADES IN ERESHMAN ENGLISH
SCALED SCORES ON FEADING COMPHMHENSION AND
RAW SCORES OM LIMGUIETIC ABILITY

| $\begin{gathered} \text { Treshman } \\ \text { C1ass } \\ 1951 \end{gathered}$ | $\begin{gathered} \text { Eng } 118 \mathrm{~h} \\ \underset{251}{ } \end{gathered}$ | Reading Comprehension | Psychologioal Exemination |
| :---: | :---: | :---: | :---: |
| $\begin{aligned} & \text { Case } \\ & \text { wumber } \end{aligned}$ | Course | motal score | $\begin{gathered} \text { Linguis- } \\ \text { tio } \\ \text { score } \end{gathered}$ |
| 481 | 85 | 53 | 47 |
| 482 | 75 | 40 | 38 |
| 483 | 75 | 49 | \$6 |
| 484 | 55 | 43 | 23 |
| 485 | 85 | 56 | 63 |
| 486 | 85 | 68 | 90 |
| 487 | 85 | 49 | 45 |
| 488 | 75 | 50 | 44 |
| 489 | 75 | 56 | 59 |
| 490 | 65 | 37 | 88 |
| 491 | 95 | 67 | 95 |
| 492 | 65 | 39 | 38 |
| 493 | 85 | 66 | -- |
| 494 | 55 | 69 | 89 |
| 495 | 75 | 50 | 42 |
| 496 | 65 | 52 | 56 |
| 497 | 85 | 54 | 52 |
| 498 | 85 | 59 | 68 |
| 499 | 85 | 48 | 2 |
| 500 | 85 | 64 | 67 |
| 501 | 75 | 59 | 52 |
| 502 | 75 | 40 | 39 |
| 503 | 75 | 58 | 48 |
| 504 | 65 | 41 | 22 |
| 505 | 85 | 64 | 64 |
| 506 | 75 | 51 | 43 |
| 507 | 85 | 52 | 69 |
| 508 | 95 | 61 | 48 |
| 509 | 65 | 47 | 87 |
| 510 | 75 | 43 | 41 |

TABLE I (Contimued)
COURSE GRADES I䍝 FUZEHMAT ENGLISH
SCALED SCORES OD REEDINC COTPRERENSION AND
RAW SCORES ON LIDOUISTIC ABILITY

| $\begin{gathered} \text { Freshman } \\ \text { Clsss } \\ 1951 \end{gathered}$ | $\frac{\operatorname{Eng} 118 h}{121}$ | Reading Comprehonsion | Psy cho- <br> loeical <br> Exam- <br> ination |
| :---: | :---: | :---: | :---: |
| $\begin{aligned} & \text { Case } \\ & \text { Number } \end{aligned}$ | $\begin{gathered} \text { Course } \\ \text { Grade } \end{gathered}$ | Totel Soore | $\begin{gathered} \text { Linguls } \\ \text { tio } \\ \text { score } \end{gathered}$ |
| 811 | 75 | 56 | 62 |
| 512 | 85 | 64 | 75 |
| 513 | 85 | 41 | 23 |
| 514 | 85 | 51 | 48 |
| 515 | 75 | 27 | 81 |
| 516 | 75 | 40 | 46 |
| 517 | 75 | 40 | 27 |
| 518 | 75 | 49 | 57 |
| 519 | 85 | 52 | 52 |
| 520 | 65 | 55 | 66 |
| 521 | 85 | 58 | 74 |
| 522 | 65 | 45 | 45 |
| $52 \%$ | 65 | 45 | 57 |
| 524 | 85 | 62 | 70 |
| 525 | 75 | 47 | 47 |
| 526 | 85 | 62 | 62 |
| 527 | 65 | 48 | -- |
| 528 | 75 | 53 | 55 |
| 529 | 65 | 45 | 23 |
| 530 | 85 | 67 | 66 |
| 521 | 75 | 49 | 55 |
| 532 | 95 | 63 | 67 |
| 587 | 65 | 36 | -- |
| 534 | 85 | 67 | 66 |
| 535 | 65 | 47 | 33 |
| 586 | 85 | 57 | 51 |
| 537 | 65 | 36 | 27 |
| 588 | 85 | 65 | 79 |
| 539 | 85 | 50 | B2 |
| 640 | 85 | 59 | -- |

TABLE I (Continued)
COURSE GHADES IN FRESEAM ENGLISH
SCALED SCORES ON READINO COMPKEHENSION AND
RAW SCORES ON LINGUISTIC ABILITY

| $\begin{gathered} \text { Freshman } \\ 6128 a \\ 1951 \end{gathered}$ | $\begin{gathered} \text { Eng11sh } \\ 121 \end{gathered}$ | Fesding Comprenension | Psyoho- <br> logical Exama ination |
| :---: | :---: | :---: | :---: |
| Case Number | Course Crade | Total Score | $\begin{gathered} \text { Linguis- } \\ \text { tic } \\ \text { Score } \end{gathered}$ |
| 541 | 75 | 47 | 58 |
| 542 | 75 | 44 | 61 |
| 548 | 65 | 44 | 33 |
| 844 | 85 | 59 | 61 |
| 545 | 85 | 64 | 79 |
| 546 | 85 | 45 | 88 |
| 547 | 75 | 61 | -- |
| 548 | 95 | 59 | 61 |
| 549 | 75 | 45 | 81 |
| 550 | 85 | 72 | 75 |
| 551 | 75 | 78 | - |
| 552 | 65 | 47 | 53 |
| 553 | 55 | 87 | 23 |
| 554 | 65 | 51 | 24 |
| 555 | 85 | 63 | 65 |
| 556 | 75 | 02 | 78 |
| 557 | 75 | 44 | -- |
| 558 | 85 | 67 | 57 |
| 559 | 75 | 50 | 43 |
| 560 | 75 | 43 | 55 |
| 561 | 85 | 60 | 54 |
| 562 | 85 | 68 | -- |
| 563 | 75 | 44 | 41 |
| 564 | 75 | 53 | 55 |
| 565 | 95 | 67 | 80 |
| 566 | 75 | 50 | 44 |
| 567 | 75 | 50 | 37 |
| 568 | 85 | 55 | 62 |
| 569 | 85 | 68 | 78 |
| 570 | 95 | 51 | 58 |

## TABLE I (Continued)

COURSE GRADES I* FRESHM ENGLISH
SCALED SCORES ON READIHC COLPREHENSION AND
RAB SCORES OK LIWOUSTIC BEILITY

| $\begin{gathered} \text { Freshman } \\ \text { C1ass } \\ 1951 \end{gathered}$ | $\begin{gathered} \text { Eng118h } \\ 131 \end{gathered}$ | Reading Comprehension | Pey ohom <br> logicel Exama indition |
| :---: | :---: | :---: | :---: |
| Case <br> Number | Course Crade | Total <br> score | $\begin{gathered} \text { LInguis- } \\ \text { tie } \\ \text { Soore } \end{gathered}$ |
| 571 | 65 | 53 | 56 |
| 572 | 85 | 77 | 86 |
| 573 | 85 | 62 | 79 |
| 574 | 85 | 54 | -- |
| 575 | 75 | 47 | 43 |
| 576 | 75 | 88 | 44 |
| 577 | 85 | 48 | 31 |
| 578 | 85 | 52 | 66 |
| 579 | 75 | 54 | 58 |
| 580 | 85 | 79 | 83 |
| 581 | 85 | 40 | -- |
| 582 | 65 | 56 | -- |
| 583 | 75 | 44 | 43 |
| 584 | 75 | 58 | 59 |
| 585 | 55 | 45 | -8 |
| 586 | 95 | 56 | 68 |
| 587 | 75 | $6 \%$ | 82 |
| 588 | 85 | 90 | 88 |
| 589 | 75 | 60 | 67 |
| 590 | 85 | 61 | 56 |
| 591 | 75 | 54 | 59 |
| 592 | 95 | 68 | 87 |
| 593 | 75 | 52 | -- |
| 594 | 85 | 59 | 75 |
| 595 | 75 | 48 | 45 |
| 596 | 65 | 51 | 53 |
| 597 | 55 | 50 | 27 |
| 598 | 85 | 67 | 77 |
| 599 | 65 | 88 | 41 |
| 600 | 75 | 45 | 45 |

MBEI I (continued)
COURSE OHADES IN FRESHAKN EWOESEH

RAM SCOKE OH LINGUISTIC ABIEITY

| $\begin{gathered} \text { Freshman } \\ \text { Clezs } \\ 1951 \end{gathered}$ | $\underset{121}{\operatorname{Eng}_{21}}$ | Reading Compreheneion | $\begin{aligned} & \text { Psycho- } \\ & \text { logiosi } \\ & \text { ination } \end{aligned}$ |
| :---: | :---: | :---: | :---: |
| $\begin{aligned} & \text { Case } \\ & \text { Yumber } \end{aligned}$ | Course Grade | $\begin{aligned} & \text { Total } \\ & \cos \mathrm{r} \end{aligned}$ | $\begin{gathered} \text { Linguis- } \\ \text { tic } \\ \text { score } \end{gathered}$ |
| 601 | 65 | 47 | 27 |
| 602 | 65 | 44 | 28 |
| 603 | 75 | 49 | 52 |
| 604 | 75 | 68 | 37 |
| 605 | 75 | 42 | -- |
| 606 | 75 | 50 | 50 |
| 607 | 75 | 43 | 37 |
| 608 | 75 | 52 | 49 |
| 609 | 95 | 72 | 80 |
| 610 | 95 | 56 | 62 |

## CHAPMER IV.

## RESULES OF FHE ETUDY

The Pearson product-moment correletion between the English 131 course grades end the total reading gcores on The Cooperative English Test. Teet C2: Reading Comprehension. proved to be positive .445. The Pexrson product-moment correlation between the English 131 course grades and the ILnguistic scorez on The Esyehojogieal Examination for Collece Freshmen wae positive .492. The standard error for each coelficient was . 022 and therefore both coefficients are statistically significant. The histogram of the grade scores used in the total reading soore correlation corresponds in shape to the one on the course exadeg used in the linguistic correlation. The slight variation is caused by the difference in the number of course grades used. In the total reading correlation 610 casea were used. whereas only 546 were ased in tae Inguisticucorrelation. Both figures clearly show that there ere relatively few low scores and relatively few high scores. The greatest number fall between 70 and 80 . The standmed devistion of the 610 grade soorea in the totsi reading correlation was .9862 , and that of the 546 scores used in the linguistio correlation. .9891. The standard deviations confirm
the pattern shown in the nietograms of the tendency of the grade scores to duster around the arithmetie mean of 75.2.

Both the hitogram of the total reading scores and that of the linguistie soores pictare a more normal distribution than do the histograms of the distributions of the course grades. The standard deviation of the total reading scoree is 1.82 and that of the linguistic scores 152.216 . The standura deviktion of the total reading scores shows thet thereciserelatively small deviation from the arithmetic mesn of 50.22: the histogram of the alstribution shows that the scoree are eveniy aistributed above and bolow the mean. This. nowever. does not appear to be the case in the linguistie score aistribution. The standard doviation is larger, being 2.316, and the histogram shows the distribution to be gkewed to the left. or below the arithmetic mean of 60.3. In the comparison of these two distributions it must be noted that the total scores are scaled scores with 50 considered average and the Inguistic scores axe raw scores.


Number of cinses



## CHAPTER V.

## summary and recomuthanlons

The coefficient of correlation between the English course grades and the total reading scores proved to be positive with a moderate degree of relationship. The English grades deviated to relatively emall degree from an average of 75.2 ; the reading and linguistic seores followed the trend of more normal distribution. Guilford ${ }^{2}$ states that, where there is moderate correlation, the coefficient of correlation would be higher if other determiners were held constant. He says,

- . where any correlation between two things things is established at ell, and particularly where there if caugal relationship: the fundmental law implies a perfect relationshig.

A causal relationship seems to exist between reading and English es reading is a component part of English. The standardized scores tend to fall into normal distribution; the course grades do not tend to follow olosely the normal curve. a more standardized method

[^9]of grading might eliminate some of the irrevelant factors which enter into the ascigning of gredes.

Since there is a poeitive correlation with cubetantial relationehip between the reading ability and course grades on the seores made by the freshman students at the University of Houston, ourtain implieations arise Iron these findines. It would seeradvisable to alter the content of the English currieulum to some aegree. This alterstion should include more intensive work on reading comprehension and reading speed teste of an informal neture whien would include aide range of subject matter. As verbel ckill has higher correlation with the grade seores. more emphasia should be placed on this phase of reading. Some modern methode wonld streas the needs of the individual and his speifie interests. It would probsbly be advisable for each stuaent to celect, with supervision, nis own vocabulary 1 ield in adaition to vocabulary element provided in hif English elasses. This additionsi instruotion in reading would benefit all students, wereas remodial work would reach only the few who were in need of that kind of help.

Further research, after the adaitional instruction. on the resulting correlation of reading ability with achievement in English, might afford an interesting project for surther tudy.

Until high sohools assume the responsibility of carryine on the readine indtraction becun in the primary and elementary erades. It rests with the colleget to correct the aficiencies which cuse atudente to rall telow the reguired level of cholatie achievement. Inetruetion of a remedial nature should be given those who need it on the mechanice of reacing--speed, voobulury, correct ye movemento. reading ellently without verbalising - andekills involved in oritical interpretations. A mastery of these basio eseentiale would enable students to acquire the ability to think, reason, evaluate ideas. draw conclusions. prediet outcomes, enjoy reading, and to attain academic success.

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