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ABSTRACT

Data are provided to the National Commission on Excellence in Education on the Graduate Management Admission Test (GMAT), Graduate Record Examinations (GRE), Law School Admission Test (LSAT), Preliminary Scholastic Aptitude Test (PSAT), and Scholastic Aptitude Test (SAT). Statistics are provided on the following: yearly GMAT mean scores 1965-1966 through 1981-1982, including scores on subject tests; LSAT mean scores for 1961-1962 through 1981-1982; means, standard deviations, and number of cases for all candidates taking specific achievement tests by year, 1956-1957 through 1974-1975; means, standard deviations, and number of cases for SAT candidates by year, 1956-1957 through 1975-1976; SAT verbal and mathematics scores for males and females, 1973-1982, including reading comprehension scores, vocabulary, test of Standard Written English, and achievement test scores by subject; and PSAT and National Scholarship Qualifying Test numbers, means, and standard deviations of verbal and mathematical scores for junior students tested from 1959 through 1982. (SW)

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EDUCATIONAL TESTING SERVICE

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February 25, 1983

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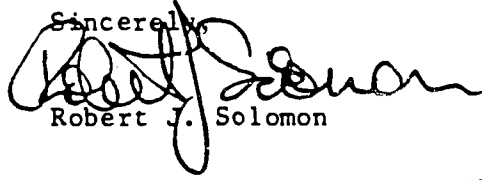
Dear Dr. Goldberg:

Greg Anrig has asked me to respond to your request for information about mean test scores over the years. The enclosed materials cover the Graduate Management Admission Test (GMAT), Graduate Record Examinations (GRE), Law School Admission Test (LSAT), Preliminary Scholastic Aptitude Test (PSAT), and Scholastic Aptitude Test (SAT). Dr. James Erdmann of the Association of American Medical Colleges will respond directly to your request for information on the Medical College Admission Test.

Both GRE and GMAT mean score data are readily available only as far back as 1965. I hope that is sufficient. The SAT information is displayed in several different ways. Attachment A includes all test takers in each testing year from 1956-57 to 1974-75. Attachment B includes graduating seniors who were test takers at any time during their high school years. Attachment C includes junior year PSAT test takers only.

You also asked for information comparing the cost of scoring writing samples to machine-scored tests. Excluding such costs as transportation, lodging, and ETS staff time in support of large-scale essay scoring, an experienced reader can score about 40 twenty-minute essays an hour. At current hourly rates paid such readers, this translates to about \$.20 per test. Since each essay is read twice, the minimum cost is approximately \$.40. Machine-scored tests, on the other hand, which are scored at the rate of 8,000 to 10,000 per hour, cost an average of \$.06.

If we can provide any additional information or answer any questions you might have, please don't hesitate to let me know.

Sincerely,

Robert J. Solomon

cc: Mr. Gregory R. Anrig

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NATIONAL INSTITUTE OF EDUCATION
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GMAT MEAN SCORE

| <u>Year</u> | <u>N</u> | <u>Mean</u> |
|-------------|----------|-------------|
| 1965-66 | 40,153 | 485 |
| 1966-67 | 43,652 | 486 |
| 1967-68 | 57,567 | 485 |
| 1968-69 | 67,267 | 481 |
| 1969-70 | 82,031 | 474 |
| 1970-71 | 85,044 | 466 |
| 1971-72 | 81,552 | 462 |
| 1972-73 | 90,100 | 465 |
| 1973-74 | 101,296 | 463 |
| 1974-75 | 123,261 | 461 |
| 1975-76 | 125,415 | 463 |
| 1976-77 | 139,363 | 462 |
| 1977-78 | 159,039 | 465 |
| 1978-79 | 183,923 | 463 |
| 1979-80 | 205,676 | 462 |
| 1980-81 | 212,513 | 467 |
| 1981-82 | 200,631 | 468 |

GRE SCORES 1965 - 1962

ACHIEVEMENTS

| Year | Verbal | | Math | | Analytical Ability | | Literature in English | | Math | | History | | Psychology | | Biology | | Chemistry | |
|---------|---------|------|---------|------|--------------------|------|-----------------------|------|-------|------|---------|------|------------|------|---------|------|-----------|------|
| | N | MEAN | N | MEAN | N | MEAN | N | MEAN | N | MEAN | N | MEAN | N | MEAN | N | MEAN | N | MEAN |
| 1965-66 | 123,960 | 520 | 123,952 | 528 | | | 8,845 | 588 | 4,972 | 660 | 7,076 | 561 | 7,615 | 552 | 6,597 | 610 | 3,919 | 618 |
| 1966-67 | 151,151 | 519 | 151,134 | 528 | | | 10,390 | 582 | 5,363 | 653 | 7,923 | 557 | 9,246 | 553 | 7,831 | 613 | 4,139 | 615 |
| 1967-68 | 182,432 | 520 | 182,432 | 527 | | | 12,511 | 572 | 6,520 | 655 | 9,213 | 554 | 11,161 | 547 | 9,467 | 614 | 4,781 | 617 |
| 1968-69 | 206,113 | 515 | 206,111 | 524 | | | 13,477 | 569 | 6,532 | 652 | 9,599 | 548 | 12,732 | 543 | 10,032 | 613 | 4,791 | 613 |
| 1969-70 | 265,359 | 503 | 265,314 | 518 | | | 15,016 | 556 | 7,371 | 641 | 11,519 | 535 | 16,202 | 532 | 12,895 | 603 | 5,411 | 613 |
| 1970-71 | 293,600 | 497 | 293,476 | 512 | | | 14,553 | 546 | 7,351 | 650 | 11,026 | 528 | 17,749 | 530 | 13,844 | 603 | 5,350 | 618 |
| 1971-72 | 293,238 | 493 | 293,125 | 508 | | | 12,928 | 544 | 6,483 | 653 | 9,514 | 527 | 18,465 | 527 | 13,889 | 604 | 4,753 | 620 |
| 1972-73 | 279,072 | 499 | 279,078 | 513 | | | 10,829 | 545 | 5,555 | 661 | 7,330 | 523 | 18,774 | 531 | 14,319 | 620 | 4,431 | 633 |
| 1973-74 | 281,269 | 495 | 281,322 | 510 | | | 9,611 | 547 | 4,953 | 674 | 6,145 | 520 | 18,457 | 531 | 16,365 | 624 | 4,473 | 637 |
| 1974-75 | 298,335 | 493 | 298,335 | 508 | | | 9,351 | 541 | 4,555 | 680 | 5,309 | 513 | 19,100 | 527 | 19,351 | 623 | 4,936 | 629 |
| 1975-76 | 299,292 | 492 | 299,292 | 510 | | | 7,035 | 539 | 4,089 | 693 | 4,623 | 518 | 18,270 | 531 | 20,360 | 627 | 5,058 | 627 |
| 1976-77 | 287,715 | 490 | 287,715 | 514 | | | 6,948 | 532 | 3,731 | 691 | 4,276 | 510 | 17,285 | 532 | 20,845 | 625 | 5,268 | 630 |
| 1977-78 | 286,383 | 484 | 286,383 | 518 | 286,383 | 495 | 6,420 | 530 | 3,736 | 692 | 3,980 | 509 | 17,270 | 529 | 20,842 | 622 | 5,671 | 624 |
| 1978-79 | 282,482 | 476 | 282,482 | 517 | 282,482 | 494 | 5,948 | 525 | 3,342 | 679 | 3,843 | 505 | 18,515 | 530 | 18,795 | 621 | 5,725 | 623 |
| 1979-80 | 272,281 | 474 | 272,281 | 522 | 272,281 | 499 | 5,557 | 527 | 3,424 | 696 | 3,223 | 508 | 15,656 | 534 | 16,693 | 619 | 5,422 | 618 |
| 1980-81 | 262,855 | 473 | 262,855 | 523 | 262,855 | 501 | 4,923 | 520 | 3,109 | 695 | 2,738 | 502 | 14,802 | 532 | 15,002 | 617 | 4,926 | 615 |
| 1981-82 | 256,381 | 469 | 256,381 | 533 | 256,381 | 498* | 4,885 | 521 | 3,287 | 694 | 2,458 | 507 | 15,237 | 532 | 14,185 | 616 | 4,940 | 616 |

* The content of the Analytical was substantially changed in 1981 and the scores are not comparable to the previous measure

LSAT MEAN SCORES 1962 - 1982

| Year | N | Mean |
|---------|---------|------|
| 1961-62 | 25,660 | 483 |
| 1962-63 | 31,419 | 495 |
| 1963-64 | 37,446 | 499 |
| 1964-65 | 39,162 | 510 |
| 1965-66 | 44,776 | 511 |
| 1966-67 | 46,752 | 514 |
| 1967-68 | 49,897 | 516 |
| 1968-69 | 59,444 | 516 |
| 1969-70 | 76,315 | 518 |
| 1970-71 | 104,408 | 519 |
| 1971-72 | 119,391 | 521 |
| 1972-73 | 120,198 | 522 |
| 1973-74 | 130,726 | 527 |
| 1974-75 | 127,908 | 520 |
| 1975-76 | 125,485 | 525 |
| 1976-77 | 128,995 | 528 |
| 1977-78 | 120,680 | 533 |
| 1978-79 | 104,928 | 532 |
| 1979-80 | 104,015 | 538 |
| 1980-81 | 112,143 | 538 |
| 1981-82 | 93,461 | 541 |

ATTACHMENT A

Means, standard deviations, and numbers of cases* (in thousands) for all candidates taking Achievement Tests, by year, 1956-57 through 1974-75

| Testing Year | ENGLISH COMPOSITION | | | LITERATURE | | | AMERICAN HISTORY AND SOCIAL STUDIES | | | EUROPEAN HISTORY AND WORLD CULTURES | | |
|--------------|---------------------|-----|-------|------------|-----|------|-------------------------------------|-----|-------|-------------------------------------|-----|------|
| | Mean | SD | N | Mean | SD | N | Mean | SD | N | Mean | SD | N |
| 1956-57 | 518 | 110 | 78.4 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1957-58 | 523 | 104 | 102.0 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1958-59 | 536 | 111 | 126.7 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1959-60 | 526 | 107 | 162.6 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1960-61 | 518 | 106 | 197.5 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1961-62 | 518 | 106 | 242.4 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1962-63 | 513 | 106 | 276.8 | --- | --- | --- | 530 | 110 | 85.4 | 532 | 106 | 7.0 |
| 1963-64 | 512 | 105 | 342.9 | --- | --- | --- | 522 | 108 | 108.8 | 528 | 102 | 8.9 |
| 1964-65 | 521 | 105 | 403.0 | --- | --- | --- | 517 | 109 | 128.7 | 537 | 105 | 9.6 |
| 1965-66 | 516 | 105 | 408.5 | --- | --- | --- | 512 | 110 | 124.3 | 539 | 107 | 9.1 |
| 1966-67 | 514 | 104 | 427.3 | --- | --- | --- | 500 | 111 | 126.2 | 530 | 105 | 11.0 |
| 1967-68 | 514 | 106 | 455.9 | 526 | 110 | 8.6 | 497 | 107 | 138.4 | 534 | 109 | 10.7 |
| 1968-69 | 514 | 106 | 473.8 | 522 | 112 | 22.2 | 494 | 106 | 135.9 | 522 | 109 | 10.7 |
| 1969-70 | 512 | 106 | 464.6 | 523 | 110 | 22.1 | 486 | 106 | 126.3 | 520 | 107 | 9.3 |
| 1970-71 | 513 | 105 | 397.0 | 531 | 109 | 21.8 | 494 | 103 | 114.8 | 526 | 106 | 7.6 |
| 1971-72 | 516 | 108 | 355.9 | 530 | 111 | 19.9 | 487 | 104 | 108.9 | 530 | 110 | 6.3 |
| 1972-73 | 512 | 106 | 312.0 | 525 | 112 | 13.5 | 498 | 105 | 89.7 | 521 | 107 | 5.9 |
| 1973-74 | 511 | 106 | 264.1 | 528 | 111 | 23.5 | 495 | 105 | 73.0 | 522 | 106 | 6.3 |
| 1974-75 | 518 | 107 | 257.0 | 520 | 112 | 24.4 | 493 | 105 | 71.6 | 524 | 104 | 2.9 |

The term "case" is used here to denote the taking of a specific Achievement Test. Thus, if a candidate took the same Achievement Test at two administrations, he is counted as two cases.

Means, standard deviations, and number of cases* (in thousands) for all candidates taking Achievement Tests, by year, 1956-57 through 1974-75

| Testing Year | FRENCH** | | | GERMAN** | | | HEBREW | | | LATIN | | |
|--------------|----------|-----|-------|----------|-----|------|--------|-----|-----|-------|-----|------|
| | Mean | SD | N | Mean | SD | N | Mean | SD | N | Mean | SD | N |
| 1956-57 | 511 | 113 | 16.2 | 493 | 105 | 1.8 | --- | --- | --- | 537 | 100 | 4.7 |
| 1957-58 | 499 | 111 | 19.8 | 485 | 107 | 2.6 | --- | --- | --- | 538 | 96 | 6.1 |
| 1958-59 | 502 | 109 | 23.3 | 485 | 103 | 3.3 | --- | --- | --- | 536 | 95 | 7.8 |
| 1959-60 | 509 | 111 | 29.3 | 489 | 107 | 4.6 | --- | --- | --- | 543 | 93 | 10.0 |
| 1960-61 | 499 | 110 | 36.5 | 490 | 105 | 6.1 | 535 | 105 | .6 | 548 | 96 | 13.6 |
| 1961-62 | 502 | 110 | 47.4 | 492 | 102 | 7.9 | 582 | 99 | .6 | 544 | 94 | 17.1 |
| 1962-63 | 508 | 107 | 53.5 | 498 | 104 | 8.6 | 579 | 101 | .7 | 555 | 94 | 17.9 |
| 1963-64 | 502 | 104 | 69.7 | 492 | 105 | 11.5 | 586 | 92 | .8 | 553 | 93 | 21.0 |
| 1964-65 | 515 | 106 | 81.4 | 499 | 111 | 14.1 | 588 | 100 | 1.0 | 543 | 99 | 22.3 |
| 1965-66 | 519 | 110 | 86.6 | 515 | 112 | 14.8 | 581 | 97 | .8 | 537 | 100 | 20.7 |
| 1966-67 | 522 | 109 | 90.1 | 519 | 114 | 15.9 | 592 | 98 | 1.0 | 535 | 100 | 19.6 |
| 1967-68 | 535 | 108 | 98.2 | 524 | 114 | 18.1 | 586 | 98 | 1.1 | 531 | 102 | 18.5 |
| 1968-69 | 525 | 107 | 105.0 | 518 | 109 | 18.8 | 570 | 99 | 1.2 | 526 | 102 | 15.2 |
| 1969-70 | 524 | 106 | 96.4 | 525 | 117 | 18.5 | 573 | 104 | 1.2 | 520 | 107 | 12.8 |
| 1970-71 | 535 | 103 | 35.6 | 523 | 103 | 7.0 | 569 | 106 | 1.2 | 532 | 106 | 7.5 |
| 1971-72 | 536 | 109 | 27.8 | 550 | 119 | 5.6 | 565 | 102 | 1.1 | 530 | 104 | 5.4 |
| 1972-73 | 540 | 107 | 29.7 | 541 | 115 | 6.8 | 568 | 105 | 1.0 | 527 | 106 | 4.2 |
| 1973-74 | 551 | 108 | 25.4 | 549 | 122 | 5.9 | 574 | 99 | .9 | 510 | 100 | 3.0 |
| 1974-75 | 546 | 111 | 38.1 | 544 | 122 | 7.9 | 576 | 99 | .9 | 515 | 105 | 1.4 |

* The term "case" is used here to denote the taking of a specific Achievement Test. Thus, if a candidate took the same Achievement Test at two administrations, he is counted as two cases.

** Data for French, German, and Spanish Achievement Tests are based on Reading only Tests. Composite Foreign Language Tests based on both Reading and Listening were also given in 1970-71 - 1973-74. Data for Russian Achievement Test are based on Reading only tests 1956-57 - 1969-70, 1974-75 and on Composite tests for 1970-71 - 1973-74.

Means, standard deviations, and number of cases* (in thousands) for all candidates taking Achievement Tests, by year, 1956-57 through 1974-75

| Testing Year | RUSSIAN** | | | SPANISH** | | | BIOLOGY | | | CHEMISTRY | | |
|--------------|-----------|-----|-----|-----------|-----|------|---------|-----|------|-----------|-----|------|
| | Mean | SD | N | Mean | SD | N | Mean | SD | N | Mean | SD | N |
| 1956-57 | --- | --- | --- | 487 | 119 | 6.8 | 493 | 107 | 8.1 | 528 | 106 | 20.2 |
| 1957-58 | --- | --- | --- | 494 | 120 | 7.7 | 509 | 111 | 10.8 | 534 | 104 | 24.8 |
| 1958-59 | --- | --- | --- | 501 | 122 | 9.5 | 510 | 108 | 14.1 | 545 | 104 | 29.6 |
| 1959-60 | --- | --- | --- | 497 | 123 | 12.3 | 510 | 111 | 17.4 | 538 | 107 | 33.9 |
| 1960-61 | 532 | 126 | .4 | 510 | 122 | 15.1 | 507 | 106 | 20.7 | 548 | 104 | 40.4 |
| 1961-62 | 536 | 122 | .5 | 512 | 130 | 19.8 | 510 | 109 | 26.7 | 545 | 104 | 47.9 |
| 1962-63 | 532 | 116 | .8 | 511 | 122 | 22.6 | 515 | 109 | 33.1 | 546 | 104 | 53.7 |
| 1963-64 | 539 | 120 | 1.1 | 502 | 118 | 29.6 | 516 | 110 | 43.2 | 541 | 104 | 65.1 |
| 1964-65 | 530 | 122 | 1.4 | 499 | 118 | 36.8 | 515 | 111 | 48.9 | 554 | 102 | 66.1 |
| 1965-66 | 545 | 132 | 1.3 | 509 | 123 | 39.5 | 520 | 110 | 51.7 | 553 | 105 | 67.7 |
| 1966-67 | 538 | 133 | 1.2 | 508 | 123 | 44.0 | 516 | 110 | 54.0 | 564 | 106 | 66.7 |
| 1967-68 | 536 | 130 | 1.4 | 511 | 122 | 51.4 | 513 | 112 | 62.0 | 565 | 105 | 68.4 |
| 1968-69 | 532 | 133 | 1.3 | 513 | 120 | 59.0 | 514 | 113 | 63.6 | 561 | 109 | 63.7 |
| 1969-70 | 528 | 135 | 1.3 | 513 | 121 | 59.3 | 524 | 114 | 53.7 | 575 | 111 | 60.2 |
| 1970-71 | 532 | 133 | .9 | 524 | 117 | 22.2 | 526 | 114 | 56.7 | 569 | 105 | 53.8 |
| 1971-72 | 539 | 136 | .6 | 532 | 118 | 19.5 | 537 | 114 | 57.0 | 568 | 112 | 49.6 |
| 1972-73 | 545 | 136 | .5 | 543 | 123 | 23.2 | 542 | 116 | 58.0 | 573 | 106 | 44.9 |
| 1973-74 | 557 | 142 | .4 | 558 | 125 | 21.2 | 545 | 110 | 50.1 | 567 | 109 | 36.1 |
| 1974-75 | 543 | 148 | .4 | 539 | 122 | 30.3 | 544 | 115 | 52.0 | 568 | 101 | 36.9 |

* The term "case" is used here to denote the taking of a specific Achievement Test. Thus, if a candidate took the same Achievement Test at two administrations, he is counted as two cases.

** Data for French, German, and Spanish Achievement Tests are based on Reading only Tests. Composite Foreign Language Tests based on both Reading and Listening were also given in 1970-71 - 1973-74. Data for Russian Achievement Test are based on Reading only tests 1956-57 - 1969-70, 1974-75 and on Composite tests for 1970-71 - 1973-74.

Means, standard deviations, and number of cases* (in thousands) for all candidates taking Achievement Tests, by year, 1956-57 through 1974-75

| Testing Year | PHYSICS | | | MATHEMATICS LEVEL I | | | MATHEMATICS LEVEL II | | |
|--------------|---------|-----|------|---------------------|-----|-------|----------------------|-----|------|
| | Mean | SD | N | Mean | SD | N | Mean | SD | N |
| 1956-57 | 534 | 98 | 16.8 | --- | --- | ----- | --- | --- | --- |
| 1957-58 | 530 | 96 | 20.3 | --- | --- | ----- | --- | --- | --- |
| 1958-59 | 543 | 96 | 21.6 | --- | --- | ----- | --- | --- | --- |
| 1959-60 | 546 | 98 | 25.9 | --- | --- | ----- | --- | --- | --- |
| 1960-61 | 536 | 93 | 27.6 | --- | --- | ----- | --- | --- | --- |
| 1961-62 | 542 | 97 | 27.3 | --- | --- | ----- | --- | --- | --- |
| 1962-63 | 548 | 91 | 26.9 | --- | --- | ----- | --- | --- | --- |
| 1963-64 | 549 | 90 | 30.3 | --- | --- | ----- | --- | --- | --- |
| 1964-65 | 567 | 97 | 29.5 | 536 | 105 | 301.4 | 671 | 89 | 19.2 |
| 1965-66 | 583 | 99 | 28.3 | 540 | 103 | 310.3 | 686 | 92 | 17.8 |
| 1966-67 | 582 | 99 | 28.4 | 542 | 102 | 320.1 | 683 | 95 | 23.7 |
| 1967-68 | 579 | 102 | 29.1 | 544 | 102 | 335.2 | 675 | 93 | 26.8 |
| 1968-69 | 587 | 106 | 28.1 | 538 | 99 | 344.9 | 668 | 98 | 29.5 |
| 1969-70 | 587 | 106 | 25.3 | 543 | 104 | 331.0 | 668 | 101 | 29.8 |
| 1970-71 | 590 | 107 | 21.9 | 538 | 99 | 295.7 | 662 | 99 | 30.9 |
| 1971-72 | 599 | 105 | 19.0 | 539 | 100 | 264.0 | 658 | 101 | 31.3 |
| 1972-73 | 601 | 106 | 17.1 | 536 | 101 | 232.0 | 664 | 97 | 30.1 |
| 1973-74 | 599 | 102 | 14.4 | 540 | 101 | 189.6 | 661 | 100 | 32.1 |
| 1974-75 | 598 | 104 | 15.2 | 539 | 103 | 184.1 | 658 | 103 | 35.8 |

*The term "case" is used here to denote the taking of a specific Achievement Test. Thus, if a candidate took the same Achievement Test at two administrations, he is counted as two cases.

Means, standard deviations, and numbers of cases* (in thousands)
for all candidates taking the SAT, by year, 1956-57 through 1975-76.

| Testing Year | SAT-Verbal | | | SAT-Mathematical | | |
|--------------|------------|-----|---------|------------------|-----|---------|
| | Mean | SD | N | Mean | SD | N |
| 1956-57 | 473 | 105 | 270.6 | 496 | 111 | 270.5 |
| 1957-58 | 472 | 106 | 376.9 | 496 | 109 | 376.8 |
| 1958-59 | 475 | 106 | 469.7 | 498 | 110 | 469.7 |
| 1959-60 | 477 | 108 | 564.3 | 498 | 109 | 564.2 |
| 1960-61 | 474 | 108 | 716.4 | 495 | 109 | 716.3 |
| 1961-62 | 473 | 109 | 802.6 | 498 | 112 | 802.5 |
| 1962-63 | 478 | 109 | 933.2 | 502 | 111 | 933.1 |
| 1963-64 | 475 | 108 | 1,164.0 | 498 | 113 | 1,163.9 |
| 1964-65 | 473 | 108 | 1,361.4 | 496 | 112 | 1,361.2 |
| 1965-66 | 471 | 108 | 1,381.4 | 496 | 111 | 1,381.4 |
| 1966-67 | 467 | 109 | 1,422.5 | 495 | 110 | 1,422.5 |
| 1967-68 | 466 | 108 | 1,543.8 | 494 | 112 | 1,543.8 |
| 1968-69 | 462 | 108 | 1,585.6 | 491 | 111 | 1,585.6 |
| 1969-70 | 460 | 110 | 1,605.9 | 488 | 113 | 1,605.9 |
| 1970-71 | 454 | 109 | 1,537.2 | 487 | 113 | 1,537.2 |
| 1971-72 | 450 | 108 | 1,459.9 | 482 | 112 | 1,459.9 |
| 1972-73 | 443 | 107 | 1,398.4 | 481 | 112 | 1,398.4 |
| 1973-74 | 440 | 107 | 1,354.0 | 478 | 115 | 1,354.0 |
| 1974-75 | 437 | 108 | 1,371.2 | 473 | 114 | 1,371.2 |

*The term "case" is used here to denote an attendance at an SAT administration. Thus, if a candidate attended two administrations, he is counted as two cases.

ATTACHMENT B

TABLE I
SAT Scores
VERBAL

Male

| Year | '73 | '74 | '75 | '76 | '77 | '78 | '79 | '80 | '81 | '82 |
|-----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| | % | % | % | % | % | % | % | % | % | % |
| Score | | | | | | | | | | |
| 700 - 800 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 600 - 699 | 9 | 9 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 |
| 500 - 599 | 22 | 22 | 21 | 21 | 19 | 20 | 19 | 20 | 20 | 19 |
| 400 - 499 | 33 | 33 | 33 | 32 | 34 | 33 | 33 | 33 | 35 | 35 |
| 300 - 399 | 27 | 27 | 28 | 29 | 28 | 28 | 28 | 28 | 27 | 27 |
| 200 - 299 | 8 | 8 | 9 | 11 | 11 | 11 | 11 | 12 | 11 | 11 |
| Number | 515,927 | 492,646 | 496,860 | 494,626 | 479,070 | 478,791 | 479,224 | 478,284 | 478,448 | 476,316 |
| Mean | 446 | 447 | 437 | 433 | 431 | 433 | 431 | 428 | 430 | 431 |
| S. D. | 110 | 111 | 111 | 111 | 110 | 110 | 111 | 110 | 110 | 110 |

Female

| Year | '73 | '74 | '75 | '76 | '77 | '78 | '79 | '80 | '81 | '82 |
|-----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| | % | % | % | % | % | % | % | % | % | % |
| Score | | | | | | | | | | |
| 700 - 800 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 600 - 699 | 7 | 8 | 6 | 7 | 7 | 6 | 6 | 6 | 6 | 6 |
| 500 - 599 | 21 | 22 | 19 | 19 | 19 | 19 | 18 | 18 | 18 | 18 |
| 400 - 499 | 34 | 34 | 34 | 32 | 34 | 32 | 33 | 32 | 33 | 34 |
| 300 - 399 | 27 | 27 | 28 | 29 | 28 | 29 | 30 | 30 | 29 | 29 |
| 200 - 299 | 8 | 8 | 10 | 11 | 11 | 12 | 12 | 13 | 13 | 13 |
| Number | 498,926 | 492,591 | 499,568 | 505,183 | 500,326 | 510,394 | 512,393 | 512,961 | 515,598 | 511,954 |
| Mean | 443 | 442 | 431 | 430 | 427 | 425 | 423 | 420 | 418 | 421 |
| S. D. | 107 | 108 | 108 | 110 | 110 | 110 | 110 | 110 | 110 | 110 |

Total

| Year | '73 | '74 | '75 | '76 | '77 | '78 | '79 | '80 | '81 | '82 |
|-----------|-----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| | % | % | % | % | % | % | % | % | % | % |
| Score | | | | | | | | | | |
| 700 - 800 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 600 - 699 | 9 | 9 | 7 | 7 | 7 | 7 | 6 | 6 | 6 | 6 |
| 500 - 599 | 22 | 22 | 21 | 20 | 19 | 20 | 19 | 18 | 19 | 19 |
| 400 - 499 | 34 | 35 | 34 | 32 | 34 | 33 | 33 | 32 | 33 | 34 |
| 300 - 399 | 27 | 27 | 28 | 29 | 28 | 28 | 30 | 29 | 29 | 28 |
| 200 - 299 | 8 | 8 | 10 | 11 | 11 | 11 | 11 | 13 | 12 | 13 |
| Number | 1,014,853 | 985,239 | 996,428 | 999,809 | 979,396 | 989,185 | 991,617 | 991,245 | 994,046 | 988,270 |
| Mean | 445 | 444 | 434 | 431 | 429 | 429 | 427 | 424 | 424 | 426 |
| S. D. | 108 | 110 | 109 | 110 | 110 | 110 | 110 | 110 | 110 | 110 |

TABLE I
SAT Scores
MATH

Male

| Year | '73 | '74 | '75 | '76 | '77 | '78 | '79 | '80 | '81 | '82 |
|-----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| | % | % | % | % | % | % | % | % | % | % |
| Score | | | | | | | | | | |
| 700 - 800 | 4 | 6 | 6 | 6 | 6 | 6 | 5 | 4 | 4 | 5 |
| 600 - 799 | 17 | 17 | 16 | 17 | 17 | 16 | 16 | 16 | 16 | 17 |
| 500 - 599 | 31 | 29 | 28 | 28 | 29 | 28 | 29 | 27 | 30 | 28 |
| 400 - 499 | 28 | 28 | 28 | 27 | 26 | 28 | 27 | 28 | 28 | 28 |
| 300 - 399 | 17 | 17 | 18 | 18 | 18 | 18 | 19 | 19 | 18 | 18 |
| 200 - 299 | 3 | 3 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| Number | 515,863 | 492,598 | 496,843 | 494,619 | 479,058 | 478,717 | 479,099 | 478,193 | 478,301 | 476,192 |
| Mean | 502 | 501 | 495 | 497 | 497 | 494 | 493 | 491 | 492 | 493 |
| S. D. | 117 | 119 | 119 | 123 | 121 | 121 | 121 | 120 | 119 | 120 |

Female

| Year | '73 | '74 | '75 | '76 | '77 | '78 | '79 | '80 | '81 | '82 |
|-----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| | % | % | % | % | % | % | % | % | % | % |
| Score | | | | | | | | | | |
| 700 - 800 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 600 - 799 | 9 | 10 | 9 | 9 | 9 | 9 | 8 | 9 | 8 | 8 |
| 500 - 599 | 28 | 25 | 25 | 23 | 24 | 23 | 23 | 22 | 24 | 22 |
| 400 - 499 | 33 | 33 | 33 | 31 | 30 | 32 | 31 | 32 | 32 | 33 |
| 300 - 399 | 24 | 25 | 27 | 27 | 28 | 28 | 28 | 28 | 26 | 28 |
| 200 - 299 | 6 | 6 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| Number | 498,841 | 492,517 | 499,548 | 505,157 | 500,286 | 510,332 | 512,306 | 512,863 | 515,371 | 511,750 |
| Mean | 460 | 459 | 449 | 446 | 445 | 444 | 443 | 443 | 443 | 443 |
| S. D. | 106 | 108 | 107 | 111 | 110 | 110 | 109 | 109 | 109 | 109 |

Total

| Year | '73 | '74 | '75 | '76 | '77 | '78 | '79 | '80 | '81 | '82 |
|-----------|-----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| | % | % | % | % | % | % | % | % | % | % |
| Score | | | | | | | | | | |
| 700 - 800 | 3 | 4 | 3 | 4 | 3 | 3 | 3 | 3 | 3 | 3 |
| 600 - 799 | 13 | 13 | 12 | 13 | 13 | 12 | 12 | 12 | 11 | 12 |
| 500 - 599 | 29 | 26 | 26 | 26 | 26 | 25 | 26 | 24 | 27 | 25 |
| 400 - 499 | 30 | 31 | 30 | 29 | 28 | 29 | 30 | 30 | 30 | 31 |
| 300 - 399 | 20 | 21 | 23 | 23 | 24 | 23 | 23 | 24 | 22 | 23 |
| 200 - 299 | 5 | 4 | 6 | 6 | 6 | 6 | 7 | 6 | 7 | 7 |
| Number | 1,014,704 | 985,115 | 996,391 | 999,776 | 979,344 | 989,049 | 991,405 | 991,056 | 993,672 | 987,942 |
| Mean | 481 | 480 | 472 | 472 | 470 | 468 | 467 | 466 | 466 | 467 |
| S. D. | 113 | 116 | 115 | 120 | 119 | 118 | 117 | 117 | 117 | 117 |

TABLE 2
SAT Verbal Subscores
READING COMPREHENSION

| Year | Male | | | | | | | | | |
|---------|------|-----|---------|---------|---------|---------|---------|---------|---------|---------|
| | '73 | '74 | '75 | '76 | '77 | '78 | '79 | '80 | '81 | '82 |
| Score | % | % | % | % | % | % | % | % | % | % |
| 70 - 80 | NA | NA | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 60 - 69 | NA | NA | 7 | 8 | 8 | 8 | 8 | 7 | 7 | 7 |
| 50 - 59 | NA | NA | 22 | 19 | 19 | 19 | 18 | 20 | 20 | 20 |
| 40 - 49 | NA | NA | 32 | 32 | 31 | 32 | 32 | 32 | 32 | 34 |
| 30 - 39 | NA | NA | 27 | 30 | 30 | 30 | 30 | 29 | 29 | 27 |
| 20 - 29 | NA | NA | 11 | 10 | 11 | 10 | 11 | 12 | 11 | 12 |
| Number | NA | NA | 360,397 | 493,755 | 479,049 | 478,754 | 478,846 | 478,249 | 478,426 | 476,281 |
| Mean | NA | NA | 43.5 | 43.2 | 43.0 | 43.1 | 42.9 | 42.7 | 43.1 | 43.1 |
| S. D. | NA | NA | 11.3 | 11.2 | 11.1 | 11.1 | 11.3 | 11.2 | 11.2 | 11.2 |

| Year | Female | | | | | | | | | |
|---------|--------|-----|---------|---------|---------|---------|---------|---------|---------|---------|
| | '73 | '74 | '75 | '76 | '77 | '78 | '79 | '80 | '81 | '82 |
| Score | % | % | % | % | % | % | % | % | % | % |
| 70 - 80 | NA | NA | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 60 - 69 | NA | NA | 6 | 8 | 7 | 7 | 6 | 6 | 5 | 6 |
| 50 - 59 | NA | NA | 23 | 19 | 19 | 18 | 18 | 18 | 18 | 18 |
| 40 - 49 | NA | NA | 34 | 32 | 31 | 32 | 33 | 32 | 31 | 34 |
| 30 - 39 | NA | NA | 27 | 31 | 31 | 31 | 31 | 31 | 32 | 28 |
| 20 - 29 | NA | NA | 11 | 10 | 11 | 10 | 11 | 12 | 12 | 13 |
| Number | NA | NA | 359,301 | 504,158 | 500,317 | 510,377 | 512,204 | 512,943 | 515,578 | 511,928 |
| Mean | NA | NA | 43.3 | 43.1 | 42.9 | 42.8 | 42.5 | 42.3 | 41.9 | 42.2 |
| S. D. | NA | NA | 11.0 | 10.9 | 10.9 | 11.0 | 10.9 | 10.9 | 10.9 | 11.0 |

| Year | Total | | | | | | | | | |
|---------|-------|-----|---------|---------|---------|---------|---------|---------|---------|---------|
| | '73 | '74 | '75 | '76 | '77 | '78 | '79 | '80 | '81 | '82 |
| Score | % | % | % | % | % | % | % | % | % | % |
| 70 - 80 | NA | NA | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 60 - 69 | NA | NA | 6 | 8 | 8 | 7 | 7 | 7 | 6 | 6 |
| 50 - 59 | NA | NA | 22 | 19 | 19 | 18 | 18 | 18 | 19 | 19 |
| 40 - 49 | NA | NA | 32 | 32 | 31 | 32 | 33 | 32 | 32 | 34 |
| 30 - 39 | NA | NA | 27 | 30 | 30 | 30 | 31 | 29 | 30 | 27 |
| 20 - 29 | NA | NA | 11 | 10 | 11 | 10 | 11 | 12 | 12 | 12 |
| Number | NA | NA | 719,698 | 997,913 | 979,366 | 989,131 | 991,050 | 991,192 | 994,004 | 988,209 |
| Mean | NA | NA | 43.4 | 43.2 | 42.9 | 43.0 | 42.7 | 42.5 | 42.5 | 42.7 |
| S. D. | NA | NA | 11.2 | 11.1 | 11.0 | 11.0 | 11.1 | 11.1 | 11.1 | 11.0 |

TABLE 2
SAT Verbal Subscores
VOCABULARY

| | | Male | | | | | | | | | |
|---------|-----|------|---------|---------|---------|---------|---------|---------|---------|---------|--|
| Year | '73 | '74 | '75 | '76 | '77 | '78 | '79 | '80 | '81 | '82 | |
| Score | % | % | % | % | % | % | % | % | % | % | |
| 70 - 80 | NA | NA | 1 | 2 | 1 | 2 | 3 | 1 | 1 | 1 | |
| 60 - 69 | NA | NA | 10 | 8 | 7 | 8 | 8 | 6 | 6 | 6 | |
| 50 - 59 | NA | NA | 20 | 22 | 22 | 22 | 22 | 20 | 21 | 20 | |
| 40 - 49 | NA | NA | 33 | 32 | 32 | 32 | 31 | 34 | 35 | 36 | |
| 30 - 39 | NA | NA | 24 | 23 | 25 | 25 | 24 | 26 | 25 | 26 | |
| 20 - 29 | NA | NA | 12 | 12 | 13 | 12 | 13 | 11 | 12 | 11 | |
| Number | NA | NA | 360,403 | 493,770 | 479,039 | 478,759 | 478,824 | 478,243 | 478,411 | 476,274 | |
| Mean | NA | NA | 43.5 | 43.7 | 43.4 | 43.6 | 43.5 | 43.0 | 42.9 | 43.1 | |
| S. D. | NA | NA | 11.9 | 11.9 | 11.8 | 12.0 | 12.0 | 11.1 | 10.8 | 10.9 | |

| | | Female | | | | | | | | | |
|---------|-----|--------|---------|---------|---------|---------|---------|---------|---------|---------|--|
| Year | '73 | '74 | '75 | '76 | '77 | '78 | '79 | '80 | '81 | '82 | |
| Score | % | % | % | % | % | % | % | % | % | % | |
| 70 - 80 | NA | NA | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 1 | |
| 60 - 69 | NA | NA | 8 | 8 | 6 | 6 | 6 | 6 | 4 | 5 | |
| 50 - 59 | NA | NA | 18 | 20 | 20 | 20 | 19 | 17 | 19 | 18 | |
| 40 - 49 | NA | NA | 33 | 32 | 32 | 30 | 30 | 33 | 34 | 35 | |
| 30 - 39 | NA | NA | 26 | 25 | 25 | 26 | 27 | 28 | 27 | 27 | |
| 20 - 29 | NA | NA | 14 | 14 | 15 | 15 | 15 | 13 | 14 | 13 | |
| Number | NA | NA | 359,299 | 504,161 | 500,310 | 510,381 | 512,193 | 512,927 | 515,561 | 511,907 | |
| Mean | NA | NA | 42.7 | 43.1 | 42.7 | 42.4 | 42.3 | 41.9 | 41.9 | 42.1 | |
| S. D. | NA | NA | 11.8 | 12.0 | 12.1 | 12.1 | 12.0 | 11.3 | 11.0 | 11.0 | |

| | | Total | | | | | | | | | |
|---------|-----|-------|---------|---------|---------|---------|---------|---------|---------|---------|--|
| Year | '73 | '74 | '75 | '76 | '77 | '78 | '79 | '80 | '81 | '82 | |
| Score | % | % | % | % | % | % | % | % | % | % | |
| 70 - 80 | NA | NA | 1 | 2 | 1 | 2 | 2 | 1 | 1 | 1 | |
| 60 - 69 | NA | NA | 9 | 8 | 6 | 6 | 6 | 6 | 4 | 6 | |
| 50 - 59 | NA | NA | 18 | 21 | 21 | 21 | 20 | 19 | 20 | 19 | |
| 40 - 49 | NA | NA | 33 | 33 | 32 | 31 | 31 | 34 | 35 | 36 | |
| 30 - 39 | NA | NA | 26 | 24 | 25 | 25 | 26 | 28 | 26 | 26 | |
| 20 - 29 | NA | NA | 12 | 13 | 14 | 14 | 15 | 13 | 13 | 12 | |
| Number | NA | NA | 719,702 | 997,931 | 979,349 | 989,140 | 991,017 | 991,170 | 993,972 | 988,181 | |
| Mean | NA | NA | 43.1 | 43.4 | 43.0 | 43.0 | 42.9 | 42.4 | 42.4 | 42.6 | |
| S. D. | NA | NA | 11.9 | 12.0 | 12.0 | 12.0 | 12.0 | 11.2 | 10.9 | 11.0 | |

TABLE 3
Test of Standard Written English

| | | Male | | | | | | | | | |
|------|---------|------|-----|---------|---------|---------|---------|---------|---------|---------|---------|
| Year | | '73 | '74 | '75 | '76 | '77 | '78 | '79 | '80 | '81 | '82 |
| | Score | % | % | % | % | % | % | % | % | % | % |
| | 60+ | NA | NA | 3 | 4 | 4 | 3 | 3 | 3 | 3 | 3 |
| | 50 - 59 | NA | NA | 26 | 24 | 25 | 25 | 24 | 24 | 24 | 24 |
| | 40 - 49 | NA | NA | 30 | 32 | 31 | 32 | 31 | 30 | 32 | 32 |
| | 30 - 39 | NA | NA | 25 | 25 | 24 | 25 | 25 | 25 | 26 | 25 |
| | 20 - 29 | NA | NA | 15 | 15 | 15 | 16 | 16 | 16 | 16 | 16 |
| | Number | NA | NA | 360,418 | 493,783 | 479,075 | 478,766 | 478,763 | 478,210 | 478,364 | 476,223 |
| | Mean | NA | NA | 42.2 | 42.1 | 42.2 | 42.0 | 41.8 | 41.7 | 41.5 | 41.7 |
| | S. D. | NA | NA | 10.9 | 10.9 | 11.0 | 10.9 | 10.9 | 11.0 | 10.9 | 10.8 |

| | | Female | | | | | | | | | |
|------|---------|--------|-----|---------|---------|---------|---------|---------|---------|---------|---------|
| Year | | '73 | '74 | '75 | '76 | '77 | '78 | '79 | '80 | '81 | '82 |
| | Score | % | % | % | % | % | % | % | % | % | % |
| | 60+ | NA | NA | 4 | 6 | 5 | 4 | 4 | 4 | 3 | 3 |
| | 50 - 59 | NA | NA | 32 | 29 | 29 | 29 | 29 | 28 | 28 | 27 |
| | 40 - 49 | NA | NA | 31 | 33 | 32 | 33 | 32 | 31 | 32 | 33 |
| | 30 - 39 | NA | NA | 21 | 21 | 21 | 23 | 23 | 22 | 23 | 23 |
| | 20 - 29 | NA | NA | 11 | 12 | 12 | 12 | 13 | 14 | 14 | 14 |
| | Number | NA | NA | 359,303 | 504,167 | 500,335 | 510,396 | 512,161 | 512,947 | 515,510 | 511,879 |
| | Mean | NA | NA | 44.3 | 44.0 | 43.7 | 43.5 | 43.2 | 43.0 | 42.9 | 42.8 |
| | S. D. | NA | NA | 10.6 | 10.7 | 10.8 | 10.7 | 10.7 | 10.8 | 10.8 | 10.7 |

| | | Total | | | | | | | | | |
|------|---------|-------|-----|---------|---------|---------|---------|---------|---------|---------|---------|
| Year | | '73 | '74 | '75 | '76 | '77 | '78 | '79 | '80 | '81 | '82 |
| | Score | % | % | % | % | % | % | % | % | % | % |
| | 60+ | NA | NA | 4 | 5 | 5 | 4 | 3 | 4 | 3 | 3 |
| | 50 - 59 | NA | NA | 29 | 27 | 27 | 27 | 27 | 26 | 26 | 26 |
| | 40 - 49 | NA | NA | 31 | 32 | 32 | 32 | 32 | 31 | 32 | 33 |
| | 30 - 39 | NA | NA | 23 | 23 | 23 | 23 | 24 | 24 | 25 | 24 |
| | 20 - 29 | NA | NA | 13 | 13 | 13 | 14 | 14 | 16 | 15 | 15 |
| | Number | NA | NA | 719,721 | 997,950 | 979,410 | 989,162 | 990,924 | 991,157 | 993,874 | 988,102 |
| | Mean | NA | NA | 43.2 | 43.1 | 42.9 | 42.8 | 42.5 | 42.4 | 42.2 | 42.3 |
| | S. D. | NA | NA | 10.8 | 10.8 | 10.9 | 10.8 | 10.8 | 11.0 | 10.8 | 10.8 |

TABLE 4
Achievement Test Scores

Average of Scores

| Year | '73 | '74 | '75 | '76 | '77 | '78 | '79 | '80 | '81 | '82 |
|-----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Score | % | % | % | % | % | % | % | % | % | % |
| 700 - 800 | 4 | 5 | 4 | 5 | 4 | 4 | 4 | 4 | 4 | 4 |
| 600 - 699 | 19 | 21 | 21 | 22 | 21 | 21 | 20 | 21 | 20 | 22 |
| 500 - 599 | 37 | 37 | 37 | 37 | 38 | 38 | 38 | 38 | 39 | 40 |
| 400 - 499 | 31 | 29 | 30 | 28 | 29 | 30 | 30 | 30 | 30 | 28 |
| 300 - 399 | 8 | 8 | 8 | 7 | 8 | 8 | 8 | 6 | 6 | 6 |
| 200 - 299 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Number | 294,678 | 246,622 | 228,115 | 228,227 | 212,712 | 208,844 | 201,392 | 200,038 | 198,922 | 196,991 |
| Mean | 527 | 533 | 531 | 538 | 533 | 531 | 529 | 532 | 532 | 537 |
| S. D. | 95 | 96 | 95 | 96 | 94 | 93 | 92 | 91 | 90 | 89 |

Am. History

| Year | '73 | '74 | '75 | '76 | '77 | '78 | '79 | '80 | '81 | '82 |
|-----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Score | % | % | % | % | % | % | % | % | % | % |
| 700 - 800 | 5 | 5 | 5 | 5 | 3 | 5 | 3 | 5 | 4 | 4 |
| 600 - 699 | 14 | 14 | 14 | 13 | 13 | 14 | 11 | 15 | 16 | 16 |
| 500 - 599 | 30 | 28 | 29 | 28 | 29 | 28 | 27 | 29 | 32 | 33 |
| 400 - 499 | 35 | 35 | 37 | 37 | 36 | 35 | 38 | 35 | 36 | 34 |
| 300 - 399 | 17 | 17 | 16 | 18 | 16 | 17 | 19 | 15 | 13 | 12 |
| 200 - 299 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 |
| Number | 87,179 | 71,289 | 64,089 | 64,139 | 63,111 | 60,687 | 58,005 | 55,987 | 54,717 | 55,167 |
| Mean | 498 | 498 | 494 | 493 | 492 | 496 | 480 | 501 | 508 | 511 |
| S. D. | 105 | 107 | 103 | 106 | 103 | 109 | 101 | 106 | 98 | 100 |

Biology

| Year | '73 | '74 | '75 | '76 | '77 | '78 | '79 | '80 | '81 | '82 |
|-----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Score | % | % | % | % | % | % | % | % | % | % |
| 700 - 800 | 9 | 10 | 11 | 10 | 10 | 10 | 9 | 10 | 8 | 8 |
| 600 - 699 | 21 | 23 | 23 | 23 | 23 | 25 | 25 | 27 | 27 | 27 |
| 500 - 599 | 31 | 31 | 31 | 31 | 31 | 31 | 32 | 31 | 32 | 34 |
| 400 - 499 | 27 | 26 | 25 | 25 | 25 | 25 | 24 | 23 | 23 | 23 |
| 300 - 399 | 11 | 9 | 10 | 10 | 10 | 10 | 8 | 8 | 9 | 8 |
| 200 - 299 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 |
| Number | 50,521 | 46,468 | 46,383 | 46,041 | 44,897 | 47,291 | 43,002 | 40,580 | 40,480 | 40,246 |
| Mean | 532 | 545 | 544 | 543 | 543 | 544 | 547 | 551 | 546 | 548 |
| S. D. | 113 | 112 | 115 | 113 | 114 | 111 | 109 | 109 | 107 | 106 |

TABLE 4
Achievement Test Scores (con't)

Chemistry

| Year | '73 | '74 | '75 | '76 | '77 | '78 | '79 | '80 | '81 | '82 |
|-----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | % | % | % | % | % | % | % | % | % | % |
| Score | | | | | | | | | | |
| 700 - 800 | 16 | 18 | 13 | 13 | 13 | 14 | 13 | 14 | 13 | 13 |
| 600 - 699 | 25 | 27 | 26 | 27 | 29 | 28 | 29 | 29 | 28 | 29 |
| 500 - 599 | 33 | 32 | 34 | 33 | 33 | 33 | 33 | 33 | 35 | 35 |
| 400 - 499 | 25 | 20 | 23 | 24 | 22 | 21 | 21 | 20 | 22 | 20 |
| 300 - 399 | 3 | 4 | 3 | 4 | 2 | 2 | 3 | 3 | 3 | 3 |
| 200 - 299 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Number | 42,863 | 36,521 | 33,056 | 34,294 | 35,009 | 35,007 | 34,159 | 34,473 | 34,494 | 34,888 |
| Mean | 572 | 581 | 569 | 567 | 574 | 577 | 575 | 573 | 571 | 575 |
| S. D. | 108 | 110 | 103 | 104 | 102 | 102 | 102 | 103 | 101 | 99 |

English Composition

| Year | '73 | '74 | '75 | '76 | '77 | '78 | '79 | '80 | '81 | '82 |
|-----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| | % | % | % | % | % | % | % | % | % | % |
| Score | | | | | | | | | | |
| 700 - 800 | 5 | 5 | 5 | 7 | 5 | 4 | 5 | 5 | 4 | 4 |
| 600 - 699 | 19 | 19 | 19 | 22 | 19 | 20 | 19 | 20 | 19 | 22 |
| 500 - 599 | 32 | 32 | 32 | 31 | 33 | 33 | 34 | 32 | 33 | 33 |
| 400 - 499 | 30 | 30 | 30 | 27 | 30 | 30 | 30 | 29 | 31 | 29 |
| 300 - 399 | 13 | 12 | 13 | 10 | 12 | 12 | 12 | 12 | 13 | 11 |
| 200 - 299 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Number | 275,196 | 228,300 | 211,852 | 212,796 | 200,539 | 195,173 | 187,266 | 184,714 | 182,939 | 180,637 |
| Mean | 517 | 517 | 515 | 532 | 516 | 512 | 514 | 518 | 512 | 520 |
| S. D. | 107 | 107 | 107 | 111 | 107 | 105 | 106 | 106 | 104 | 104 |

French

| Year | '73 | '74 | '75 | '76 | '77 | '78 | '79 | '80 | '81 | '82 |
|-----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | % | % | % | % | % | % | % | % | % | % |
| Score | | | | | | | | | | |
| 700 - 800 | 10 | 14 | 11 | 13 | 12 | 12 | 12 | 10 | 10 | 10 |
| 600 - 699 | 21 | 22 | 21 | 22 | 23 | 21 | 22 | 25 | 23 | 23 |
| 500 - 599 | 32 | 32 | 33 | 31 | 31 | 33 | 33 | 32 | 32 | 32 |
| 400 - 499 | 31 | 29 | 31 | 29 | 27 | 28 | 27 | 26 | 28 | 28 |
| 300 - 399 | 5 | 3 | 4 | 5 | 6 | 6 | 6 | 7 | 7 | 7 |
| 200 - 299 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Number | 47,475 | 38,240 | 33,868 | 31,087 | 27,298 | 25,673 | 23,621 | 23,823 | 23,239 | 23,276 |
| Mean | 544 | 560 | 553 | 553 | 553 | 552 | 554 | 550 | 546 | 546 |
| S. D. | 104 | 109 | 105 | 110 | 109 | 109 | 108 | 105 | 106 | 106 |

TABLE 4
Achievement Test Scores (con't)

Math Level 1

| Year | '73 | '74 | '75 | '76 | '77 | '78 | '79 | '80 | '81 | '82 |
|-----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| | % | % | % | % | % | % | % | % | % | % |
| Score | | | | | | | | | | |
| 700 - 800 | 6 | 7 | 7 | 8 | 7 | 6 | 6 | 5 | 6 | 6 |
| 600 - 699 | 23 | 25 | 25 | 25 | 24 | 24 | 22 | 23 | 22 | 24 |
| 500 - 599 | 35 | 35 | 34 | 35 | 37 | 38 | 39 | 38 | 38 | 39 |
| 400 - 499 | 28 | 27 | 27 | 25 | 24 | 26 | 26 | 28 | 27 | 25 |
| 300 - 399 | 8 | 6 | 7 | 6 | 6 | 7 | 7 | 6 | 7 | 5 |
| 200 - 299 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Number | 210,734 | 172,032 | 158,061 | 158,327 | 149,918 | 146,426 | 145,572 | 146,172 | 145,851 | 145,277 |
| Mean | 537 | 545 | 545 | 546 | 547 | 541 | 537 | 536 | 539 | 545 |
| S. D. | 101 | 101 | 102 | 101 | 100 | 99 | 97 | 94 | 96 | 94 |

Math Level 2

| Year | '73 | '74 | '75 | '76 | '77 | '78 | '79 | '80 | '81 | '82 |
|-----------|-----|-----|--------|--------|--------|--------|--------|--------|--------|--------|
| | % | % | % | % | % | % | % | % | % | % |
| Score | | | | | | | | | | |
| 700 - 800 | NA | NA | 41 | 42 | 42 | 41 | 37 | 35 | 35 | 37 |
| 600 - 699 | NA | NA | 37 | 36 | 37 | 39 | 40 | 42 | 41 | 42 |
| 500 - 599 | NA | NA | 15 | 15 | 15 | 15 | 17 | 18 | 17 | 17 |
| 400 - 499 | NA | NA | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 4 |
| 300 - 399 | NA | NA | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 |
| 200 - 299 | NA | NA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Number | NA | NA | 29,334 | 32,153 | 30,497 | 32,743 | 34,513 | 34,990 | 37,592 | 37,603 |
| Mean | NA | NA | 660 | 665 | 666 | 665 | 657 | 653 | 654 | 661 |
| S. D. | NA | NA | 102 | 100 | 97 | 95 | 95 | 92 | 94 | 90 |

Spanish

| Year | '73 | '74 | '75 | '76 | '77 | '78 | '79 | '80 | '81 | '82 |
|-----------|--------|--------|-----|--------|--------|--------|--------|--------|--------|--------|
| | % | % | % | % | % | % | % | % | % | % |
| Score | | | | | | | | | | |
| 700 - 800 | 14 | 18 | NA | 15 | 14 | 15 | 14 | 11 | 13 | 13 |
| 600 - 699 | 15 | 18 | NA | 18 | 16 | 19 | 18 | 16 | 16 | 17 |
| 500 - 599 | 26 | 26 | NA | 26 | 27 | 27 | 29 | 27 | 28 | 26 |
| 400 - 499 | 38 | 31 | NA | 32 | 29 | 29 | 29 | 31 | 30 | 31 |
| 300 - 399 | 7 | 6 | NA | 8 | 14 | 10 | 10 | 14 | 13 | 13 |
| 200-299 | 0 | 0 | NA | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Number | 33,212 | 27,814 | NA | 26,019 | 24,238 | 24,356 | 23,528 | 25,039 | 25,350 | 25,442 |
| Mean | 539 | 560 | NA | 547 | 535 | 544 | 542 | 524 | 529 | 531 |
| S. D. | 121 | 125 | NA | 123 | 124 | 120 | 118 | 119 | 120 | 120 |

TABLE 4
Achievement Test Scores (con't)

European History

| Year | '73 | '74 | '75 | '76 | '77 | '78 | '79 | '80 | '81 | '82 |
|-----------|-----|-----|-----|-------|-------|-------|-------|-------|-------|-------|
| | % | % | % | % | % | % | % | % | % | % |
| Score | | | | | | | | | | |
| 700 - 800 | N/A | N/A | N/A | 9 | 6 | 4 | 6 | 7 | 8 | 8 |
| 600 - 699 | N/A | N/A | N/A | 19 | 19 | 19 | 18 | 22 | 23 | 22 |
| 500 - 599 | N/A | N/A | N/A | 32 | 35 | 29 | 30 | 33 | 36 | 36 |
| 400 - 499 | N/A | N/A | N/A | 30 | 29 | 34 | 33 | 29 | 27 | 28 |
| 300 - 399 | N/A | N/A | N/A | 10 | 10 | 14 | 13 | 7 | 6 | 6 |
| 200 - 299 | N/A | N/A | N/A | 1 | 0 | 0 | 1 | 0 | 0 | 0 |
| Number | N/A | N/A | N/A | 3,367 | 2,426 | 3,527 | 3,420 | 3,469 | 3,229 | 3,191 |
| Mean | N/A | N/A | N/A | 531 | 526 | 507 | 516 | 539 | 544 | 544 |
| S. D. | N/A | N/A | N/A | 111 | 104 | 103 | 108 | 102 | 101 | 100 |

German

| Year | '73 | '74 | '75 | '76 | '77 | '78 | '79 | '80 | '81 | '82 |
|-----------|-----|-----|-----|-------|-------|-------|-------|-------|-------|-------|
| | % | % | % | % | % | % | % | % | % | % |
| Score | | | | | | | | | | |
| 700 - 800 | N/A | N/A | N/A | 16 | 16 | 17 | 15 | 17 | 14 | 17 |
| 600 - 699 | N/A | N/A | N/A | 20 | 18 | 19 | 19 | 19 | 20 | 21 |
| 500 - 599 | N/A | N/A | N/A | 27 | 28 | 28 | 29 | 27 | 31 | 31 |
| 400 - 499 | N/A | N/A | N/A | 29 | 28 | 27 | 27 | 28 | 25 | 24 |
| 300 - 399 | N/A | N/A | N/A | 8 | 9 | 10 | 9 | 9 | 9 | 6 |
| 200 - 299 | N/A | N/A | N/A | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Number | N/A | N/A | N/A | 6,312 | 5,650 | 5,524 | 5,154 | 4,801 | 4,682 | 3,779 |
| Mean | N/A | N/A | N/A | 555 | 551 | 553 | 550 | 552 | 551 | 563 |
| S. D. | N/A | N/A | N/A | 121 | 123 | 123 | 120 | 123 | 117 | 115 |

Hebrew

| Year | '73 | '74 | '75 | '76 | '77 | '78 | '79 | '80 | '81 | '82 |
|-----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | % | % | % | % | % | % | % | % | % | % |
| Score | | | | | | | | | | |
| 700 - 800 | N/A | N/A | N/A | 11 | 12 | 16 | 16 | 19 | 23 | 30 |
| 600 - 699 | N/A | N/A | N/A | 36 | 34 | 33 | 32 | 41 | 34 | 31 |
| 500 - 599 | N/A | N/A | N/A | 33 | 34 | 33 | 33 | 22 | 28 | 25 |
| 400 - 499 | N/A | N/A | N/A | 18 | 16 | 13 | 15 | 15 | 11 | 11 |
| 300 - 399 | N/A | N/A | N/A | 2 | 4 | 4 | 4 | 3 | 5 | 3 |
| 200 - 299 | N/A | N/A | N/A | 0 | 0 | 0 | 0 | 1 | 1 | 0 |
| Number | N/A | N/A | N/A | 732 | 713 | 624 | 637 | 543 | 499 | 446 |
| Mean | N/A | N/A | N/A | 579 | 581 | 589 | 588 | 600 | 602 | 622 |
| S. D. | N/A | N/A | N/A | 97 | 100 | 105 | 102 | 107 | 118 | 113 |

TABLE 4
Achievement Test Scores (con't)

| | | Latin | | | | | | | | | |
|------|-----------|-------|-----|-----|-------|-------|-------|-------|-------|-------|-------|
| Year | | '73 | '74 | '75 | '76 | '77 | '78 | '79 | '80 | '81 | '82 |
| | Score | % | % | % | % | % | % | % | % | % | % |
| | 700 - 800 | N/A | N/A | N/A | 6 | 4 | 3 | 5 | 7 | 11 | 11 |
| | 600 - 699 | N/A | N/A | N/A | 18 | 17 | 15 | 18 | 19 | 22 | 24 |
| | 500 - 599 | N/A | N/A | N/A | 35 | 37 | 34 | 34 | 32 | 32 | 31 |
| | 400 - 499 | N/A | N/A | N/A | 32 | 33 | 36 | 33 | 31 | 31 | 28 |
| | 300 - 399 | N/A | N/A | N/A | 9 | 9 | 12 | 9 | 10 | 5 | 6 |
| | 200 - 299 | N/A | N/A | N/A | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Number | N/A | N/A | N/A | 1,698 | 1,259 | 1,425 | 1,570 | 1,823 | 2,114 | 2,547 |
| | Mean | N/A | N/A | N/A | 524 | 517 | 508 | 524 | 529 | 548 | 554 |
| | S. D. | N/A | N/A | N/A | 100 | 95 | 96 | 98 | 106 | 106 | 108 |

| | | Literature | | | | | | | | | |
|------|-----------|------------|-----|-----|--------|--------|--------|--------|--------|--------|--------|
| Year | | '73 | '74 | '75 | '76 | '77 | '78 | '79 | '80 | '81 | '82 |
| | Score | % | % | % | % | % | % | % | % | % | % |
| | 700 - 800 | N/A | N/A | N/A | 7 | 6 | 5 | 6 | 5 | 5 | 5 |
| | 600 - 699 | N/A | N/A | N/A | 22 | 22 | 24 | 22 | 22 | 22 | 23 |
| | 500 - 599 | N/A | N/A | N/A | 31 | 32 | 31 | 31 | 31 | 33 | 31 |
| | 400 - 499 | N/A | N/A | N/A | 26 | 26 | 27 | 28 | 27 | 26 | 27 |
| | 300 - 399 | N/A | N/A | N/A | 13 | 11 | 13 | 12 | 12 | 14 | 12 |
| | 200 - 299 | N/A | N/A | N/A | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| | Number | N/A | N/A | N/A | 21,523 | 19,284 | 18,281 | 17,012 | 17,158 | 16,405 | 14,903 |
| | Mean | N/A | N/A | N/A | 525 | 526 | 521 | 522 | 524 | 517 | 521 |
| | S. D. | N/A | N/A | N/A | 113 | 110 | 109 | 111 | 111 | 109 | 109 |

| | | Physics | | | | | | | | | |
|------|-----------|---------|-----|-----|--------|--------|--------|--------|--------|--------|--------|
| Year | | '73 | '74 | '75 | '76 | '77 | '78 | '79 | '80 | '81 | '82 |
| | Score | % | % | % | % | % | % | % | % | % | % |
| | 700 - 800 | N/A | N/A | N/A | 18 | 19 | 19 | 16 | 18 | 18 | 17 |
| | 600 - 699 | N/A | N/A | N/A | 30 | 30 | 29 | 29 | 30 | 32 | 31 |
| | 500 - 599 | N/A | N/A | N/A | 32 | 32 | 32 | 35 | 34 | 33 | 34 |
| | 400 - 499 | N/A | N/A | N/A | 18 | 18 | 17 | 20 | 18 | 16 | 17 |
| | 300 - 399 | N/A | N/A | N/A | 2 | 1 | 2 | 2 | 1 | 2 | 1 |
| | 200 - 299 | N/A | N/A | N/A | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Number | N/A | N/A | N/A | 15,644 | 15,882 | 15,408 | 15,046 | 14,656 | 15,897 | 15,991 |
| | Mean | N/A | N/A | N/A | 592 | 593 | 591 | 580 | 592 | 595 | 592 |
| | S. D. | N/A | N/A | N/A | 103 | 103 | 106 | 101 | 100 | 101 | 99 |

TABLE 4
Achievement Test Scores (cont')

| Year | Russian | | | | | | | | | |
|-----------|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | '73 | '74 | '75 | '76 | '77 | '78 | '79 | '80 | '81 | '82 |
| Score | % | % | % | % | % | % | % | % | % | % |
| 700 - 800 | N/A | N/A | N/A | 23 | 29 | 29 | 39 | 43 | 46 | 47 |
| 600 - 699 | N/A | N/A | N/A | 15 | 16 | 15 | 14 | 12 | 15 | 17 |
| 500 - 599 | N/A | N/A | N/A | 23 | 20 | 25 | 16 | 16 | 20 | 16 |
| 400 - 499 | N/A | N/A | N/A | 26 | 21 | 20 | 19 | 15 | 9 | 12 |
| 300 - 399 | N/A | N/A | N/A | 12 | 14 | 9 | 10 | 12 | 9 | 6 |
| 200 - 299 | N/A | N/A | N/A | 1 | 0 | 1 | 1 | 1 | 1 | 2 |
| Number | N/A | N/A | N/A | 478 | 352 | 402 | 311 | 340 | 347 | 118 |
| Mean | N/A | N/A | N/A | 559 | 575 | 587 | 613 | 622 | 642 | 652 |
| S. D. | N/A | N/A | N/A | 145 | 149 | 148 | 157 | 169 | 156 | 155 |

ATTACHMENT C

COLLEGE BOARD
AND
NATIONAL MERIT SCHOLARSHIP CORPORATION

PRELIMINARY SCHOLASTIC APTITUDE TEST/NATIONAL MERIT SCHOLARSHIP QUALIFYING TEST ⁽¹⁾

OCTOBER ADMINISTRATIONS

STATISTICAL SUMMARY

TABLE VII

Numbers, Means, and Standard Deviations of Verbal Scores
for Junior Students Tested from 1959 to the Present

| Year ⁽³⁾ | Male | | | Female | | | Total ⁽²⁾ | | |
|---------------------|---------|------|------|---------|------|------|----------------------|------|------|
| | Number | Mean | SD | Number | Mean | SD | Number | Mean | SD |
| 1959 | 186,791 | 41.0 | 11.2 | 191,455 | 41.3 | 10.8 | 378,156 | 41.2 | 11.0 |
| 1960 | 229,781 | 40.9 | 10.7 | 231,008 | 41.0 | 10.4 | 461,789 | 40.9 | 10.6 |
| 1961 | 253,001 | 42.1 | 10.7 | 271,009 | 42.6 | 10.6 | 507,839 | 42.3 | 10.7 |
| 1962 | 317,085 | 42.8 | 10.7 | 329,000 | 42.9 | 10.5 | 647,709 | 42.9 | 10.5 |
| 1963 | 379,282 | 43.1 | 10.8 | 396,000 | 43.4 | 10.6 | 775,075 | 43.3 | 10.7 |
| 1964 | 402,465 | 42.7 | 10.6 | 421,000 | 43.0 | 10.4 | 823,961 | 42.9 | 10.5 |
| 1965 | 447,808 | 42.5 | 11.0 | 477,000 | 42.0 | 10.9 | 926,035 | 42.2 | 10.9 |
| 1966 | 461,994 | 42.7 | 11.0 | 496,478 | 42.7 | 10.7 | 958,974 | 42.7 | 10.8 |
| 1967 | 493,831 | 42.0 | 10.8 | 538,421 | 42.1 | 10.7 | 1,032,945 | 42.0 | 10.8 |
| 1968 | 508,888 | 42.2 | 11.5 | 555,304 | 42.9 | 11.6 | 1,064,986 | 42.6 | 11.6 |
| 1969 | 507,570 | 42.2 | 10.8 | 559,721 | 42.2 | 10.8 | 1,067,834 | 42.2 | 10.8 |
| 1970 | 492,990 | 41.4 | 11.0 | 553,583 | 41.4 | 10.7 | 1,047,135 | 41.4 | 10.8 |
| 1971 | 512,622 | 42.1 | 10.6 | 576,393 | 42.4 | 10.5 | 1,090,868 | 42.2 | 10.6 |
| 1972 | 491,385 | 42.6 | 11.1 | 564,975 | 42.7 | 10.9 | 1,056,752 | 42.7 | 11.0 |
| 1973 | 492,683 | 42.0 | 10.8 | 574,424 | 41.7 | 10.7 | 1,067,601 | 41.8 | 10.8 |
| 1974 | 503,959 | 42.2 | 10.7 | 589,840 | 41.1 | 10.4 | 1,094,328 | 41.6 | 10.5 |
| 1975 | 508,834 | 41.8 | 11.1 | 602,818 | 40.4 | 11.0 | 1,112,483 | 41.0 | 11.1 |
| 1976 | 510,543 | 40.9 | 10.4 | 609,174 | 40.1 | 10.3 | 1,120,542 | 40.5 | 10.4 |
| 1977 | 521,802 | 40.6 | 10.6 | 629,870 | 39.3 | 10.6 | 1,152,494 | 39.9 | 10.6 |
| 1978 | 513,515 | 41.2 | 10.4 | 622,212 | 40.1 | 10.3 | 1,136,586 | 40.6 | 10.3 |
| 1979 | 510,115 | 40.7 | 10.3 | 621,493 | 39.9 | 10.4 | 1,132,370 | 40.2 | 10.4 |
| 1980 | 513,503 | 41.2 | 10.4 | 625,459 | 40.1 | 10.2 | 1,139,709 | 40.6 | 10.3 |
| 1981 | 507,033 | 42.1 | 10.3 | 611,785 | 41.0 | 10.2 | 1,119,513 | 41.5 | 10.2 |
| 1982 | 494,548 | 41.7 | 10.5 | 598,570 | 40.5 | 10.1 | 1,094,268 | 41.0 | 10.3 |

(1) Preliminary Scholastic Aptitude Test, 1959 through 1970; Preliminary Scholastic Aptitude Test/National Merit Scholarship Qualifying Test from 1971 to present.

(2) Totals include students who did not indicate sex.

(3) Data from Form 1 and Form 2 are incorporated for 1959 through 1978; with the introduction of Form 3 at the 1979 administration, data from all three forms are incorporated from 1979 to present.

COLLEGE BOARD
AND
NATIONAL MERIT SCHOLARSHIP CORPORATION

PRELIMINARY SCHOLASTIC APTITUDE TEST/NATIONAL MERIT SCHOLARSHIP QUALIFYING TEST⁽¹⁾

OCTOBER ADMINISTRATIONS

STATISTICAL SUMMARY

TABLE VIII

Numbers, Means, and Standard Deviations of Mathematical Scores
for Junior Students Tested from 1959 to the Present

| Year ⁽³⁾ | Male | | | Female | | | Total ⁽²⁾ | | |
|---------------------|---------|------|------|---------|------|------|----------------------|------|------|
| | Number | Mean | SD | Number | Mean | SD | Number | Mean | SD |
| 1959 | 186,791 | 47.6 | 10.2 | 191,365 | 42.4 | 8.6 | 378,156 | 45.0 | 9.8 |
| 1960 | 229,755 | 47.5 | 10.2 | 231,956 | 42.3 | 9.2 | 461,711 | 44.8 | 10.1 |
| 1961 | 252,995 | 48.6 | 10.4 | 254,820 | 43.6 | 9.4 | 507,804 | 46.1 | 10.2 |
| 1962 | 317,069 | 48.7 | 10.6 | 330,599 | 44.3 | 9.7 | 647,668 | 46.5 | 10.4 |
| 1963 | 379,282 | 47.6 | 10.5 | 395,793 | 43.5 | 9.3 | 775,075 | 45.6 | 10.1 |
| 1964 | 402,465 | 46.9 | 10.9 | 421,496 | 42.6 | 9.8 | 823,961 | 44.7 | 10.6 |
| 1965 | 447,803 | 48.3 | 11.1 | 477,678 | 43.8 | 10.2 | 926,023 | 45.9 | 10.9 |
| 1966 | 461,986 | 47.1 | 11.5 | 496,455 | 43.1 | 10.7 | 958,943 | 45.0 | 11.3 |
| 1967 | 493,829 | 46.4 | 10.8 | 538,418 | 42.7 | 9.7 | 1,032,940 | 44.5 | 10.4 |
| 1968 | 508,858 | 47.4 | 11.5 | 555,260 | 44.0 | 10.5 | 1,064,912 | 45.6 | 11.1 |
| 1969 | 507,557 | 47.0 | 11.4 | 559,714 | 43.2 | 10.6 | 1,067,814 | 45.0 | 11.1 |
| 1970 | 492,982 | 48.4 | 11.5 | 553,568 | 44.1 | 10.6 | 1,047,112 | 46.1 | 11.2 |
| 1971 | 512,622 | 47.3 | 11.6 | 576,393 | 43.4 | 10.5 | 1,090,868 | 45.2 | 11.2 |
| 1972 | 491,294 | 49.1 | 11.4 | 564,864 | 45.0 | 10.4 | 1,056,550 | 46.9 | 11.1 |
| 1973 | 492,573 | 47.8 | 11.8 | 574,256 | 43.5 | 10.9 | 1,067,323 | 45.5 | 11.5 |
| 1974 | 503,790 | 48.2 | 11.2 | 589,620 | 43.9 | 9.9 | 1,093,938 | 45.9 | 10.7 |
| 1975 | 508,700 | 47.9 | 11.4 | 602,631 | 43.5 | 10.4 | 1,112,159 | 45.5 | 11.1 |
| 1976 | 510,435 | 47.3 | 11.5 | 609,036 | 43.0 | 10.5 | 1,120,298 | 45.0 | 11.1 |
| 1977 | 521,631 | 46.5 | 10.9 | 629,669 | 42.2 | 9.8 | 1,152,122 | 44.2 | 10.5 |
| 1978 | 513,382 | 47.2 | 11.5 | 622,041 | 42.9 | 10.2 | 1,136,281 | 44.8 | 11.0 |
| 1979 | 509,981 | 47.5 | 11.3 | 621,338 | 43.5 | 10.2 | 1,132,080 | 45.3 | 10.9 |
| 1980 | 513,376 | 47.4 | 11.5 | 625,332 | 43.3 | 10.4 | 1,139,454 | 45.1 | 11.1 |
| 1981 | 506,965 | 47.3 | 11.5 | 611,696 | 43.3 | 10.4 | 1,119,357 | 45.1 | 11.1 |
| 1982 | 494,483 | 46.9 | 11.5 | 598,499 | 42.8 | 10.4 | 1,094,132 | 44.7 | 11.1 |

(1) Preliminary Scholastic Aptitude Test, 1959 through 1970; Preliminary Scholastic Aptitude Test/National Merit Scholarship Qualifying Test from 1971 to present.

(2) Totals include students who did not indicate sex.

(3) Data from Form 1 and Form 2 are incorporated for 1959 through 1978; with the introduction of Form 3 at the 1979 administrations, data from all three forms are incorporated from 1979 to present.



C: Mr. Solomon
2/10/83 GRA

UNITED STATES DEPARTMENT OF EDUCATION
NATIONAL COMMISSION ON EXCELLENCE IN EDUCATION
WASHINGTON, D.C. 20208

February 3, 1983

Dr. Gregory Anrig
Educational Testing Service
Princeton, New Jersey 08541

Dear Greg:

It was good talking with you the other day. As I indicated, on behalf of the Commission I would like to receive the data noted in the attached sheet. In addition, the issue has arisen regarding the costs of scoring writing samples as compared to machine scored tests. Any information about this would also be helpful.

Thank you again for all your help.

Sincerely yours,

A handwritten signature in cursive script, appearing to read "M. Goldberg".

Milton Goldberg

Attachment

For each year* from 1962 - 1982, (a) the Mean Scores and (b) Number of Test Takers for the following examinations:

- (1) SAT - Verbal
- (2) SAT - Math
- (3) PSAT - Verbal
- (4) PSAT - Math
- (5) GRE - Verbal
- (6) GRE - Math
- (7) CEEB Achievement: English
- (8) CEEB Achievement: Math, Level 1
- (9) CEEB Achievement: Math, Level 2
- (10) CEEB Achievement: American History
- (11) CEEB Achievement: European History
- (12) CEEB Achievement: Spanish
- (13) CEEB Achievement: French
- (14) CEEB Achievement: German
- (15) CEEB Achievement: Biology
- (16) CEEB Achievement: Chemistry
- (17) CEEB Achievement: Physics
- (18) GRE Achievement: English
- (19) GRE Achievement: Mathematics
- (20) GRE Achievement: History
- (21) GRE Achievement: Psychology
- (22) GRE Achievement: Biology
- (23) GRE Achievement: Chemistry
- (24) Advanced Placement: English
- (25) Advanced Placement: Mathematics
- (26) Advanced Placement: American History
- (27) Advanced Placement: Biology
- (28) Advanced Placement: Chemistry
- (29) (Optional: Law Business and Med. School Admissions Tests - if the data are easily available)

* Alternatively; At 4-5 year intervals, e.g. 1962, 1966, 1970, 1974, 1978, 1982.