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MEMORANDUM TO: Executive Officer/Medical Staff      DATE: 22 July 1964

FROM           : Chief/Assessment & Evaluation Staff

SUBJECT        : Estimate of MS Computer Support Need - FY 1965 and 1966

1. The following "forecast of projected requirements for computer support" is our current best estimate of Medical Staff data processing needs for Fiscal 1965 and 1966. This forecast must be regarded as tentative since the entire Medical Staff data processing application is either in an early developmental stage or in the first stages of revision.

A. Assessment and Evaluation Staff (AES)

- 1) Test Scoring and Reporting System revision
- 2) Psychological Test Interpretation system

The Test Scoring and Reporting system which has been in operation for about 4 years utilizes the computer (RCA 501) about 1 hour per week. The revision of this system is required in order to add a test interpretation capability (2 above). A planned merger of these two systems would result in greater efficiency and would require that the existing system, Test Scoring and Reporting, undergo considerable modification. This can be accomplished, however, without appreciable increase in machine time utilization.

- 3) Research Support System possibly revised

It is anticipated that AES will develop a larger and more consistent utilization of the computer for research processing. This utilization will involve an already existing system or a modification of it and will require about 1 hour of computer machine time.

SUMMARY: Machine time utilization for AES will be approximately 2 hours per week not counting file maintenance requirements (which are included below).

B. Clinical Division and Psychiatric Staff

- 1) Development of a Medical Information System



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Machine time requirements for a Medical Information system is estimated at between 2 and 4 hours per week, again not counting file maintenance.

2) Medical Research

Computing requirements in support of Medical Research will probably center around use of the system being used by AES. Medical research projects will undoubtedly not have an appreciable effect on computer requirements during Fiscal 1965 since our major effort during this period will be directed toward establishing an appropriate data base. A very rough estimate would be that the Medical Staff would require  $\frac{1}{2}$  hour per week in support of Medical research beginning in late Fiscal 1965.

2. In summary, then, it is estimated that the Medical Staff computer time utilization requirement for Fiscal 1965 and 1966 will range

(a) between 4 and 6 hours per week for production work and

(b) between 4 and 6 hours per week for routine file maintenance procedures.

The estimated total Medical Staff computer time requirement will, thus, range from 8 to 12 hours per week.



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