

OGC 70-0860

26 May 1970

**MEMORANDUM FOR:** Deputy Director, Central Reference Service

**SUBJECT:** Rapid Search Machine v. Air Force LITE  
Activity: Comparison Test by Office of  
General Counsel

**REFERENCES:** (a) OGC 69-1421 to DD/CRS, dtd 31 Jul 69,  
Subject: RSM-Requested Utilization by  
OGC  
(b) OGC 69-2069 to DD/CRS, dtd 31 Oct 69,  
Subject: RSM-Prototype I: Evaluation  
by OGC

1. Reference (a) requested an allocation of use time on the RSM for demonstration, testing and evaluation purposes using legal data bases. Reference (b) was a preliminary evaluation restricted to a limited testing of the RSM prototype I. Attached is our report of the RSM II-LITE comparison test, the objective of which was to assess the RSM legal information retrieval capability relative to OGC needs.

2. You will note therein, we have concluded that the RSM legal information retrieval system is an operational system providing an in-house capability comparable to the LITE activity. In fact over the past several weeks we have had occasion to use the system to meet current operational needs and with excellent results.

BI

3. On the basis of the testing and evaluation results we will be receiving from LITE, hopefully soon, the remaining tapes comprising all Comptroller General Decisions, both published and unpublished. As you are aware, we currently have only the published decisions, volumes 19 through 47. When received, this data base in total will run approximately 40 million words. When the Comptroller General Decisions and the U. S. Code are updated by LITE, we will be loaned copies which will permit us to update our bases.

4. The Office of Finance and the Audit Staff have a continual need to do research in the Comptroller General Decisions to meet their responsibilities. It is quite probable their needs in this area exceed those of OGC. We have in the past three weeks advised these offices of the newly available capability. The Deputy Director for Liaison and Planning, OF, and members of his staff and the Chief, Audit Staff and several of his staff personnel have been briefed by this office concerning the system's capabilities and limitations and have viewed a demonstration on the RSM. Interest appeared high, and, in fact, [redacted] has subsequently been instructed in the operation of the RSM. The Deputy Director for Accounts and Audit, OF, has also indicated an interest in viewing the system. He and his staff will receive a demonstration in the near future.

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5. Your assistance to this office in developing this capability is greatly appreciated. In particular, the responsiveness and timely assistance of [redacted] from your office have been extremely helpful in locating and resolving numerous problems and in bringing this stage of the project to a successful conclusion.

STAT

*Signed*

[redacted signature box]

Office of General Counsel

STAT

**Attachment**

OGC: [redacted]

Distribution:

Orig. & 1 - Addressee

1 - COMPUTERS

1 - [redacted]

1 - Chrono

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*B2*

OGC 70-1445

20 August 1970

**Col. Alexander J. Palenscar, Jr.  
Chief, Special Activities Group  
Office of the Judge Advocate General  
United States Air Force  
Washington, D.C. 20330**

**Dear Colonel Palenscar:**

**We received the loan copy of the LITE tapes requested in our letter of 15 June and will be returning the same to the LITE facility in Denver within the next week. We are very appreciative of your assistance and quick response to our request.**

**For your information, the Agency is currently in the process of installing, for use with the Rapid Search Machine, a "Potter" tape drive that has been**  **STAT**

**We are advised that this will permit us to increase the amount of data on tape from 800 bpi to 5000 bpi or 6 times more data per reel of tape than at present. Currently we search a tape at 150 inches per second.  will permit search** **STAT**  
**at 48 inches per second, but with 6 times as much data per inch of tape. In effect, the search time will be half of what it currently is.**

**We are going to put the U. S. Code on one reel of tape, and the Comptroller General Decisions, Published and Unpublished, on three and two reels, respectively, with the "year" breakdown between the tapes according to our own particular research needs.**

A new feature has recently been added to the RSM which permits the searcher to lock into a particular file within a reel of tape. For example, each title of the U. S. Code will constitute a file within the one reel of tape. If we wish to run some searches against only title 26, we can lock into it, precluding the need to rewind to the beginning of the tape each time we want to modify a query against title 26. With regard to the Comptroller General Decisions, each five-year period within a tape will constitute a separate file.

These new modifications should enhance the function of the RSM and mitigate to a considerable extent the problem associated with tape handling and serial processing.

Once again, let me express our appreciation for your assistance. We will keep you advised of our experience with the RSM.

Sincerely,

John S. Warner  
Deputy General Counsel

STAT cc: [redacted]

STAT [redacted]

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26 August 1970

Note to Chm/Comp. Sec. Subcommittee/USIB

Leon Green, Deputy Assistant Commissioner, Compliance, has spoken to Vernon Acree, Assistant Commissioner, Inspection, who said that he would like to talk to you. You may call him on code 184, extension 4656.

FYI, Mr. Green indicated that the kind of security control techniques being used at IRS probably are not applicable to our problems, i. e., this is not "security" in the sense that we use it but more a case of instituting checks for such things as multiple returns and refund claims by one individual.

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**SECRET**

OGC Subject: COMPUTERS

11 AUG 1970

MEMORANDUM FOR: General Counsel

ATTENTION :

25X1

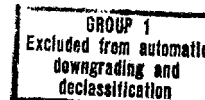
SUBJECT :

Request for Briefing by the Internal Revenue Service Concerning Computer Security Techniques

1. Recent press reports indicated that the Assistant Commissioner of Internal Revenue, Mr. Vernon D. Acree, acknowledged that the Internal Revenue Service has been giving increased attention to the development of new techniques for greater security control of the IRS computer operations. These techniques reportedly included the stepping up of surveillance, the analysis of computer programs, and computerized system testing.

2. Within the Intelligence Community during the past two years there has been increasing concern about the security of our information being processed by computers. As a result and in order to provide the basis for a coordinated Community effort, the United States Intelligence Board Computer Security Subcommittee was established in 1968. This Subcommittee has been addressing various security aspects of modern information processing systems, and over the last year and a half has benefited from briefings provided by various agencies as well as computer manufacturers.

**SECRET**



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3. It is believed that a briefing on IRS computer security techniques might prove fruitful to the Subcommittee efforts, particularly since the press reports suggest that IRS has a significant program in this regard.

4. It is requested that you contact appropriate IRS officials to determine if such a briefing could be provided the Computer Security Subcommittee. If the Internal Revenue Service would be willing to share the results of their efforts to date in such a briefing, arrangements can be made through the undersigned (telephone: ) Any assistance 25X1 you can provide on this matter will be appreciated.

25X1

Chairman  
Computer Security Subcommittee  
United States Intelligence Board

70-3431A



**CENTRAL INTELLIGENCE AGENCY**

WASHINGTON, D. C. 20505

**OFFICE OF THE DIRECTOR**

23 JUL 1970

Mr. W. Byron Long  
Manager, Special Projects  
Mississippi Research and  
Development Center  
Post Office Drawer 2470  
Jackson, Mississippi 39205

Dear Mr. Long:

In response to your request of 24 June, I am enclosing a set of topical listings of elements which might be appropriate to include in an information data bank such as you are contemplating for the State of Mississippi.

As you are aware, the NIS is essentially a classified program; however, we are able to provide unclassified extracts of NIS topics which might prove useful in establishing a data bank of information. In their present form these outlines do not relate to the current NIS Program, and no attribution to that program should be made.

Although we have not sought to tailor this material to the specialized needs of a state, it is hoped that it may be of some assistance.

Sincerely,

/s/ Richard Helms

Richard Helms  
Director

Enclosure:  
Topical Listings



DDI-1026-70

Executive Registry

70-343/61

16 JUL 1970

MEMORANDUM FOR: Director of Central Intelligence

SUBJECT : Providing an Unclassified NIS Outline  
to the State of Mississippi

1. Attached is a letter to you from an official from the State of Mississippi, Mr. W. Byron Long. Mr. Long once served as an intelligence officer in the Army and recalled the National Intelligence Survey program. He felt the outline for the NIS would be useful in establishing a data bank covering various facets of his State's economy, resources, and society. I asked OBGI to look into this case with an eye to seeing whether we could provide something unclassified.

2. OBGI was able to produce an unclassified outline which, although it is not related to the present NIS program, would be useful to Mr. Long. I feel this is a worthwhile public service and recommend that we forward the outline to Mr. Long. A cover letter for your signature has been prepared.

3. I am routing this memorandum through the Assistant to the Director, General Counsel, and the Office of Security requesting their concurrence.

/s/ R. J. Smith

R. J. SMITH  
Deputy Director for Intelligence

Attachment

MEMO TO DCI FROM DDI RE PROVIDING AN UNCLASSIFIED  
NIS OUTLINE TO THE STATE OF MISSISSIPPI

CONCURRENCES:

Assistant to the Director

Date

S/ John S. Warner

20 JUL 1970

*Acting*

General Counsel

Date

STAT



21 JUL 1970  
Date

STAT

ODDI/ [ ] (16 July 1970, [ ]

STAT

Distribution:

- Original & 1 - Addressee w/att
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- 1 - ODDI Chrono w/o att
- 1 - Assistant to the Director w/att
- ① - General Counsel w/att
- 1 - D/Security w/att

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DEPARTMENT OF THE AIR FORCE  
HEADQUARTERS UNITED STATES AIR FORCE  
WASHINGTON, D.C.



17 JUN 1970

Mr. John S. Warner  
Deputy General Counsel  
Central Intelligence Agency

Dear Mr. Warner

Your letter of 15 June 1970 requesting the loan of certain LITE  
tapes has been forwarded to the LITE staff for compliance.

We are pleased to assist, and if there is anything else we can  
do, please advise.

Sincerely

A handwritten signature in black ink, appearing to read "Alexander J. Palenscar, Jr.", written in a cursive style.

ALEXANDER J. PALENSCAR, JR., Colonel, USAF  
Chief, Special Activities Group  
Office of The Judge Advocate General

OGC 70-0987

15 June 1970

Col. Alexander J. Palenscar, Jr.  
Chief, Special Activities Group  
Office of the Judge Advocate General  
United States Air Force  
Washington, D. C. 20330

Dear Colonel Palenscar:

Re: Letter to Judge Advocate General/USAF  
from General Counsel/CIA, dtd 2 Jun 70

Referent letter accompanied our report setting forth the results and conclusions of a test designed to assess our in-house capability for machine search and retrieval of full text legal materials relative to our needs. We concluded that such an in-house capability exists provided LITE would loan us copies of their data bases (U. S. Code and Comptroller General Decisions) to enable us to make a copy thereof.

Specifically, we would appreciate receiving a loan copy of the following tapes:

- (1) U. S. Code through most recent update
- (2) Comptroller General Decisions:
  - (a) Published - Vols. 1 through 18 and Vol. 48.
  - (b) Unpublished - All through most recent update

We are advised that the LITE tapes with the 83 character line format would be preferred. Further, any documentation as to the format of the tapes would be helpful in making the necessary conversion required

Colonel Palenscar

-2-

15 June 1970

for our in-house hardware. Be assured that all handling of the tapes at this end will be exclusively by Agency personnel.

Again, we are grateful for your assistance and cooperation in providing the essential element in developing such an in-house capability. If we can be of any assistance to the LITE activity, please so advise us.

Sincerely,

s/ John S. Warner

John S. Warner  
Deputy General Counsel

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OGC

Distribution:

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OGC 70-0910

June 2, 1970

**Maj. Gen. J. S. Cheney  
The Judge Advocate General  
United States Air Force  
Washington, D. C. 20330**

**Dear General Cheney:**

**Enclosed is a report prepared by a staff attorney in my office, setting forth the results and conclusions of a "comparison test" between the Air Force LITE Activity and the Rapid Search Machine. The objective of this test was to assess the latter's capability to search and retrieve full text legal materials relative to our legal research needs. You will note therein we have concluded that the Rapid Search Machine provides an in-house search and retrieval capability comparable to and in some respects surpassing that which LITE could provide.**

**I take this opportunity to thank all those connected with the LITE activity for their assistance and cooperation in assessing the RSM capability and in providing the essential element in developing such a capability. LITE's provision of loan copies of their data bases (U. S. Code and Comptroller General Decisions) to enable us to make copies thereof is instrumental in providing this in-house capability. It can be stated unequivocally that this capability is derived in substantial part from LITE, adding to the stream of benefits flowing from the latter, without additional cost. It should be noted that the benefits to this Agency extend beyond my office. The need of other Agency fiscal and audit components to search and retrieve from the Comptroller General Decisions is perhaps greater than mine.**

DI

Gen. Cheney

-2-

June 2, 1970

You will note from the report that Mr. Maurice H. Lanman, Jr., Assistant General Counsel (Fiscal Matters), Department of Defense, participated in the demonstration and general assessment of our in-house capability. A special note of appreciation is also directed to Mr. Jack Sieburg of the LITE staff for his responsiveness and general assistance during the testing and evaluation period.

Sincerely,

SIGNED

Lawrence R. Houston  
General Counsel

Enc.

cc: Mr. Maurice H. Lanman, Jr.

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OGC [redacted]

Distribution:

Orig - Addressee

✓ 1 - Subject - COMPUTERS

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DJ

*MLB*

27 May 1970

MEMORANDUM FOR: Mr. Houston

Attached are the reports to OCR and to you on the RSM-LITE comparison tests. As you know, I have followed this very carefully and I believe [redacted] has done an outstanding job following through on this so that we now have an operational capability for machine search. Not only are there some time savings but quality improvement in legal research should be significant.

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Basically, I believe [redacted] has understated some of the advantages of the RSM II in his formal report. The so-called disadvantages of RSM II vis-a-vis LITE are in fact inconsequential for our purposes but the advantages of the RSM II over LITE are significant particularly in the area of quality.

STAT

[redacted]

STAT

John S. Warner

Atts.

*JSW*

[redacted]

STAT

*cl*