

DATE 10 Mar 48

TO	FROM	TO	FROM
Chief, ASA.....(10)		Tech Staff.....(96)	
Executive O.....(11)		Ch, Security Div.....(80)	
Co'r Joint Oper.....(12)		Tech Staff.....(81)	
✓ Deputy Chief, ASA... (20)		Ch, Materiel Br.... (82)	
Ch, Comm Res Sec (14)	✓	Ch, Methods Br.... (83)	
Ch, Hist Unit.... (13)		Ch, Protective Br... (84)	
Ch, Pers Sec..... (21)		Ch, Maint Br..... (85)	
Ch, Org & Tng Sec.. (22)		Ch, Res Lab Div.... (70)	
Ch, Plans & Oper... (23)		Tech Staff..... (71)	
Ch, Materiel Sec.... (24)		Ch, Ch. Ciph & Cif Br (72)	
Ch, Fiscal Sec..... (25)		Ch, Int Equip Br... (73)	
Adjutant, ASA..... (26)		Ch, Elec & Elec Br. (74)	
Ch, Sec Cont Sec... (27)		Ch, Lab Serv Br.... (75)	
Ch, Operations Div.. (90)		Ch, C'logic Br..... (76)	
Ch, Lab Br..... (91)		Ch, Pers & Tng Br... (61)	
Ch, Machine Br.... (92)		Ch, Supply Br..... (62)	
Ch, Crypt Br..... (93)		Co, Arlington Hall... (40)	
Ch, Int Cont Br.... (94)			
Ch, I & D Br..... (95)			

- ( ) Approval & Return
- ( ) As Requested
- ( ) Concurrence or Comments
- ( ) Information & Forwarding
- ( ) Information & Return
- ( ) Information & File
- ( ) Recommendation
- ( ) Signature if approved
- ( ) Your action by
- ( ) Info upon which to base reply

Just as I was about to sign this I had a phone call from Gen. Reader asking me some questions re Ex-Capt, Hawkins. A report on some loose talking by Hawkins in a bar in N.Y.C. has been sent by Sig O (Col. Grant Williams) to

C Sig O. Report <sup>is being sent</sup>  
to G-v by Gen. Reader & we  
will probably see it soon.

2. Have discussed this informally  
with Col. Hayes.

J

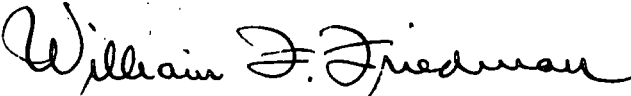
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**INTEROFFICE ROUTING SLIP  
AND/OR CARRIER SHEET HQ ASA**

MUST REMAIN WITH ATTACHED PAPERS

NUMBER EACH MEMO OR REPLY IN LEFT BORDER, PLACE NAME, RANK AND TELEPHONE NUMBER BOTTOM OF EACH ACTION. DRAW LINE UNDER EACH ACTION

ENTER FILE CLASSIFICATION ADJUTANT \_\_\_\_\_

TO	FROM	DATE	SUBJECT
AS-20	AS-14	9 Mar 48	<p align="center"><b>Proposed Communication Security Measures</b></p> <p>1. The accompanying Memorandum For Record by AS-70, dated 4 March 1948 (Incl. 1) leads to two recommendations:</p> <p>a. Arrangements should be made with the Commissioner of Patents to continue in an active status the war-time Joint Army-Navy Patent Advisory Board to which patent applications in the cryptologic field were submitted for examination and recommendation as to whether a secrecy order should be issued on any specific case. It is believed that while not yet officially abolished, this Board is moribund and its functions may have been overlooked.</p> <p>b. A letter substantially as per the attached draft (Incl. 2) should be sent to a limited number of firms. Such a letter should be referred to the Intelligence and Security Subcommittee of USCICC for preparation for the signature of the Secretary of National Defense and processed through USCICC and USCIB. A suggested list of firms to which such a letter might be sent is provided in Inclosure 3.</p> <p align="right">   <b>WILLIAM F. FRIEDMAN</b>                      Chief, Communications Research                      Ext 215                 </p> <p>3 Incls:                      1. Memo for Record, AS-70, dtd 4 Mar 48                      2. Draft of letter to commercial firms                      3. List of firms</p>

*149 gave to 70  
look into  
being tab case of*

C O P Y

CSGAS-70

4 March 1948

## MEMORANDUM FOR RECORD

SUBJECT: Conference with Representatives of Teletype Corporation

On 4 March 1948 Messrs. Burke and Cook of the Teletype Corporation visited this Division and during the course of the discussion imparted the following information:

1. On 12 February 1948 Mr. E. J. Hawkins of Las Vegas appeared in the Chicago office of Teletype Corporation and indicated that he had certain ideas for the development of cryptographic devices superior to any existing devices and wanted to know whether Teletype Corporation would undertake the development of these devices with him. Teletype Corporation told him that they were not interested in undertaking such development with him and advised him to contact the services. If the services were interested in undertaking the development of his ideas, Teletype Corporation might be interested.

2. This same Mr. Hawkins had previously contacted Teletype Corporation on 12 December 1938 at which time his address was 804 Brown Avenue, Valparaiso, Indiana. At that time he had a model of a cryptographic device which he submitted to Teletype Corporation. The Teletype Corporation was not impressed with the device nor interested in its development.

3. This information was furnished us by the representatives of Teletype Corporation in order to indicate their position and action in this respect.

4. Inasmuch as Mr. Hawkins was employed by the Agency, undoubtedly, the cryptographic developments to which he referred would reflect information which he gained as a result of his employment.

/s/ S. Kullback  
Chief, Research  
Laboratories Division

Inclosure 1

D R A F T

9 March 1948

Gentlemen:

As a result of their participation in the communication security activities and operations of the Armed Services during the last war, thousands of persons came into possession of classified information concerning the security equipments used by the Army, the Navy, and the Air Force. Most of that information still is and must obviously remain in a classified status for reasons of national security.

The great majority of the persons mentioned above are no longer members of those services nor connected in any way with the Government. Some of them may have inventive types of mind and may conceive ideas for improved or new security equipments which they may propose for possible development by commercial firms, such as your firm, in the hope that their exploitation would be of commercial interest and value. <sup>\* The great majority of</sup> ~~Most~~ such persons would be entirely innocent of any intent to injure national security and would vehemently reject any thought of such intent. Nevertheless, even without intent to injure national security, it is possible that serious harm might result if technically <sup>n</sup> sound communication security devices, employing principles based upon or derived from a knowledge of U. S. classified equipment, became public property, ultimately reaching foreign powers.

*This draft  
was modified or  
& elaborated  
by me*

Inclosure 2

Department of National Defense

The ~~Army~~ has, of course, no desire to stifle technical progress in any field of knowledge, but where such progress clearly affects national security, certain minimum controls are desirable. They have been established in the field of atomic energy, for example, but not as yet in the fields of ~~and~~ <sup>crypto-communication</sup> cryptography, which also presents special problems and hazards to national security requiring special treatment.

It would, therefore, be much appreciated if your firm would inform me of any proposals for new cryptographic apparatus that may be submitted for possible development. <sup>xx</sup> Steps might then be taken by the authorities to look into these ideas and to make arrangements [with the inventor] with a view to protecting the national interests in a manner satisfactory to all concerned.

Acknowledgment of receipt of this letter would be appreciated.

*3-13-48*

AS-20 AS-14 9 Mar 48

## Proposed Communication Security Measures

1. The accompanying Memorandum For Record by AS-70, dated 4 March 1948 (Incl. 1) leads to two recommendations:

a. Arrangements should be made with the Commissioner of Patents to continue in an active status the war-time Joint Army-Navy Patent Advisory Board to which patent applications in the cryptologic field were submitted for examination and recommendation as to whether a secrecy order should be issued on any specific case. It is believed that while not yet officially abolished, this Board is moribund and its functions may have been overlooked.

b. A letter substantially as per the attached draft (Incl. 2) should be sent to a limited number of firms. Such a letter should be referred to the Intelligence and Security Subcommittee of USCICC for preparation for the signature of the Secretary of National Defense and processed through USCICC and USCIB. A suggested list of firms to which such a letter might be sent is provided in Inclosure 3.

## 3 Incls:

1. Memo for Record, AS-70, dtd 4 Mar 48
2. Draft of letter to commercial firms
3. List of firms

WILLIAM F. FRIEDMAN  
Chief, Communications Research  
Ext 215

D R A F T

12 March 1948

Gentlemen:

As a result of their participation in the communication security activities and operations of the Armed Services during the last war, thousands of persons came into possession of classified information concerning the security equipments used by the Army, the Navy, and the Air Force. Most of that information still is and must obviously remain in a classified status for reasons of national security.

The great majority of the persons mentioned above are no longer members of those services nor connected in any way with the Government. Some of them may have inventive types of mind and may conceive ideas for improved or new security equipments which they may propose for possible development by commercial firms, such as your firm, in the hope that their exploitation would be of commercial interest and value. In a few cases some of these former members of the Armed Services are now employed in commercial research laboratories or in manufacturing firms, and it may be part of their assigned duties to suggest new ideas for security devices or to make inventions in this field. The great majority of such persons would be entirely innocent of any intent to injure national security

*Incl. 2  
(replaces Incl. 2 of  
9 March 48)*



and would vehemently reject any thought of such intent. Nevertheless, even without intent to injure national security, it is possible that serious harm might result if technically sound communication security devices, employing principles based upon or derived from a knowledge of U. S. classified equipment, became public property, ultimately reaching foreign powers.

The Department of National Defense has, of course, no desire to stifle technical progress in any field of knowledge, but where such progress clearly affects national security, certain minimum controls are desirable. They have been established in the field of atomic energy, for example, but not as yet in the field of crypto-communication, which also presents special problems and hazards to national security requiring special treatment.

It would, therefore, be much appreciated if your firm would inform me of any proposals for new cryptographic apparatus that may be submitted for possible development either by persons not members of your organization or by employees who were formerly members of any of the Armed Services. Steps might then be taken by the authorities to look into these ideas and to make such arrangements with all concerned as will not only take cognizance of whatever private interests are involved but will also be conducive to the protection of the national defense.

Acknowledgement of receipt of this letter would be appreciated.

LIST OF COMPANIES

The Bristol Company  
117 Bristol Road  
Waterbury, Connecticut  
ATTENTION: Mr. G. T. Evans

Burroughs Adding Machine Co.  
Detroit, Michigan  
ATTENTION: Mr. R. G. Bower  
Vice-President  
Engineering

DeVry Corporation  
1111 Armitage Avenue  
Chicago 14, Illinois  
ATTENTION: Mr. E. W. D'Arcy  
Chief Engineer

Gray Research & Development Co.  
Elmsford, New York  
ATTENTION: Mr. Arthur H. Jones  
Vice-President

Guardian Electric Manufacturing Co.  
100 North Loomis Street  
Chicago, Illinois  
ATTENTION: Mr. F. F. Rowell, Sr.  
President

Kellogg Switchboard & Supply Co.  
6650 South Cicero Avenue  
Chicago, Illinois  
ATTENTION: Mr. W. L. Jones  
Government & Industrial  
Sales Dept.

Melpar, Incorporated  
452 Swan Avenue  
Alexandria, Virginia  
ATTENTION: Mr. Thomas Meloy

National Cash Register Co.  
Dayton, Ohio  
ATTENTION: Mr. H. M. Williams

Teletype Corporation  
1400 Wrightwood Avenue  
Chicago, Illinois

Stronberg-Carlson Co.  
100 Carlson Road  
Rochester, New York

Veeder-Root, Incorporated  
25 Sargeant Street  
Hartford, Connecticut  
ATTENTION: Mr. John H. Chaplin  
President

Victor Adding Machine Co.  
3900 North Rockwell Street  
Chicago 18, Illinois  
ATTENTION: Mr. A. C. Buehler  
President

Underwood Elliot Fisher  
1 Park Avenue  
New York, New York  
ATTENTION: Mr. Lantz

Remington Rand, Incorporated  
1 Atlantic Street  
Stamford, Connecticut  
ATTENTION: Mr. A. M. Ross

Western Electric Co.  
Hawthorne Station  
Chicago, Illinois

Western Union Telegraph Co.  
60 Hudson Street  
New York, New York  
ATTENTION: Mr. Joseph L. Egan  
President

International Telephone &  
Telegraph Co.  
New York, New York

R.C.A. Laboratories  
66 Broad Street  
New York 4, New York

Automatic Electric Sales Co.  
1031 W. Van Buren St.  
Chicago, Illinois  
ATTENTION: Mr. H. S. Williams  
Vice-President

International Business  
Machines Corp.  
590 Madison Avenue  
New York 22, N. Y.

*Incl. 3  
(Replaces previous Incl. 3)*

Radio Inventions, Inc.  
155 Perry Street  
New York 14, New York

Times Facsimile Corp.  
229 W. 43rd Street  
New York 18, New York

Bell Telephone Laboratories, Inc.  
463 West Street  
New York 14, New York

General Electric Company  
Syracuse, New York

Hazeltine Service Corp.  
5825 Little Neck Parkway  
Little Neck, New York