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~~CONFIDENTIAL~~  
 AVAILABLE FOR RELEASE  
 ON 08-14-2013  
 MEMORANDUM FOR THE DIRECTOR





UNCLASSIFIED  INTERNAL USE ONLY  CONFIDENTIAL  SECRET

ROUTING AND RECORD SHEET

12/2/61

SUBJECT: *CONFIDENTIAL*

FROM: *111* NO: *195-61*

TO: *Office Director, room number, and building* DATE: OFFICER'S INITIALS: COMMENTS (Number each column to show how many copies. Sign a line across column after each comment.)

NO.	NAME	DATE	OFFICER'S INITIALS	COMMENTS
1	<i>Li. up</i>	<i>24</i>	<i>[initials]</i>	<i>...</i>
2	<i>NAB</i>			<i>...</i>
3	<i>M</i>			<i>...</i>
4	<i>[redacted]</i>	<i>26</i>	<i>[initials]</i>	<i>nothing appropriate in this case.</i>
5	<i>AFS</i>	<i>4/2/61</i>	<i>[initials]</i>	<i>nothing develop; add</i>
6	<i>[redacted]</i>	<i>5/2/61</i>	<i>[initials]</i>	<i>553 Memphis AAS (Hadd),</i>
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610  SECRET  CONFIDENTIAL  INTERNAL USE ONLY  UNCLASSIFIED

UNCLASSIFIED     INTERNAL USE ONLY     CONFIDENTIAL     SECRET

ROUTING AND RECORD SHEET

SUBJECT (Optional)		NO.	
FROM		DATE	
TO: (Officer designation, room number and building)		DATE	OFFICER'S INITIALS
		RECEIVED	FORWARDED
COMMENTS (Number each comment to show from whom to whom. Draw a line across columns after each comment.)			
1			
2	ISD		
3	A4/D+D		
4	EB ? re interest	10/11	
5	SB ? vis	1/11	
6	RB?		
7	BIB?		
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610     SECRET     CONFIDENTIAL     INTERNAL USE ONLY     UNCLASSIFIED

4 October 1966

Mr. John L. Hoke  
5421 Wapeta Road  
Washington, D. C. 20016

Dear Mr. Hoke:

Since receipt of your employment application, operating officials of the Agency have made a careful analysis of your background and experience against our present requirements. Unfortunately, we cannot at this time utilize the qualifications which you have made available to us.

We appreciate very much your offer to work with us and regret that our response could not be more favorable.

Sincerely,

E. D. Echols  
Director of Personnel

on cos. as job  
file to afe/inactive





29 January 1962

Mr. John L. Hahn  
128 Eustace Drive  
Falls Church, Virginia

Dear Mr. Hahn:

Since your interview with a number of my staff, operating  
offices have been reviewing your qualifications and background.

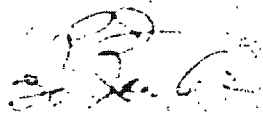
We do have occasional openings which call for unusual experiences  
and unique combinations of abilities and training which are not  
available among our career officers and in these cases we find  
it most fortunate to be able to attract the interest of men who  
possess the specialized qualifications needed. Although we have  
found no immediate opportunity for your service with us, we have  
added your name for consideration in the event a suitable opening  
should develop and shall advise you if this should occur.

Thank you for your interest in our organization.

Sincerely,

E. D. Echols  
Director of Personnel

Enclosure...  
file sent to AFM



1

MEMORANDUM FOR THE PRESIDENT

DATE: 12/20/50  
SUBJECT: [Illegible]

[Illegible text]

[Illegible text]

[Illegible text]

*J. F. [Illegible]*

CONFIDENTIAL

Department of Defense  
 Office of Communications Research and Development  
 Communications Research and Development  
 Washington, D.C. and Baltimore  
 5011 Sassa Paro  
 Washington, D.C. 20316  
 Project No. 65-1440  
 Electrical 65-1440  
 215 134  
 Philadelphia, Pennsylvania  
 Jan 30, 1965  
 GS-13  
 Communications Research Development  
 Office  
 March 12, 1965 to June 30, 1965

Project No.		Title		Status	
Contract	Task	Start	End	Actual	Planned
65-1440	1	1965	1965		
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	3				
	4				
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Approved for release by the Office of Communications Research and Development  
 on 10/12/65.

Development Engineer (Chief)  
Alexandria, Virginia  
Atlantic Research Corporation  
Alexandria, Virginia  
Mr. Ted Crisp (or John Bright)  
Process Engineering

11,180 a year  
11,630 a year

Specialty to Government Service  
Served as Coordination Officer between different AEC Division  
to facilitate conception, development and design of new products, which  
included technical opportunities of a program that covers a highly  
sophisticated science device applicable to a broad spectrum of civilian  
and military requirements. Provided close picture, photographic, and  
other information of development's proposed efforts and project  
technical progress by means of reports and demonstrational systems and  
facilities of various nature to this operation.

Alexandria, Virginia  
Research  
Mr. Frank Mitchell - Director  
Personnel and Evaluation  
Personnel Division - (AEC)  
Specialty to Government Service  
Served as Chief of the Office of Technical Negotiation  
and as a member of the system of classification  
and declassification of technical information. Responsible to  
the management of the office and the technical personnel staff  
in the area of technical information, including the classification  
and declassification of technical information, and the management  
of the office staff.

Alexandria, Virginia  
Personnel Service  
Mr. Gerald E. Mitchell - Chief  
Personnel Division - (AEC)

June 21, 1952

Mr. [Name] (Name of recipient)

1. [Text block 1] (consist)

(over)  
Federal Service  
Dr. Gerald I. Windfield - Chief  
Communications Personnel Division

2. [Text block 2] (employed)

(over)  
Washington, D.C.

3. [Text block 3] (employed)  
Mr. Gerald I. Windfield - Chief  
Communications Personnel Division

Contract  
 Title  
 D. Gerald E. Winfield - Chief  
 Communications Media Staff  
 25, D.C. Communications Media Staff  
 Production of motion picture that  
 the success of completion of a housing project in  
 the city in Santiago, Chile. Administered development of script  
 material and activities of production personnel.

1947-1948  
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 1951-1952  
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 2091-2092  
 2093-2094  
 2095-2096  
 2097-2098  
 2099-2100

Washington, D.C.  
 Trade Association  
 Mr. Edgar Parsons - Radio and TV  
 US Chamber of Commerce, Washington, D.C.  
 Responsible for the technical aspects of motion picture  
 production and distribution.

Consultant  
 Department of Peacekeeping Service  
 D. Gerald E. Winfield - Chief  
 Communications Media Staff







Review of Occupational  
Skills and Pertinent  
Aeronautical Activities

While serving abroad in Suriname, applicant engaged in numerous field trips in which the organization and logistic support aspects were the responsibility of the applicant, these trips involved long excursions into the interior of the country.

While at the Suriname post, applicant began design of power systems discussed under item 4 of occupational record. A prototype craft was fabricated that was collapsible and light weight - and designed to operate on a radio-less electric drive, its vegetation choked waterways difficult to navigate by conventional craft.

Applicant's trips into the interior (including those made in the above mentioned craft) resulted in the carrying out of studies of a large area of the Guianan forests, and the subsequent preparation of an illustrated article for the National Geographic Society. Applicant employed several specialized photographic devices of his own design or modification in this and several other endeavors.

Applicant is familiar with both the technical and supervisory aspects of all media of communication. Has produced documentary films and been active commercially in a number of photographic fields. Has appeared on radio and television programs presenting both occupational and avocational interests such as natural history, photography, nature preservation, avian biology, etc. Writing experience includes published technical and popular consumption articles as well as several books published for general consumption. Applicant has also been active in photo-voice recording included in the book's heading.

Applicant is familiar with all of the technical details of the various systems of communication and is capable of supervising the operation of these systems.

Proposal to Conduct a  
Tropical Jungle Expedition  
Using Solar Powered Equipment

The development of techniques for directly converting solar energy into electrical potential, has been the revelation of electrically operated equipment that takes comparatively minimal demands upon power, in order to operate efficiently.

The state of the art is such that an environmental test of solar energy, as a central source of power, seems warranted.

Several pieces of equipment are now available that make such a test technically practical. Among these is an electric motor for propelling a small boat that uses a maximum of 144 watts at twelve volts D.C. It has been calculated that a three by four foot panel of silicon solar cells will provide sufficient power to operate such a craft - and power for many other electrical needs as might be encountered on an extended trip, away from conventional sources of power. These would include radio reception and transmission equipment, pumps, flashlights, repair equipment, etc.

It is proposed that an effective means of conducting an environmental test of solar energy as a central power source, would be to conduct an expedition on a tropical jungle river - into a region where primitive conditions and paucity of power would place a realistic burden upon this source of power.

The craft suggested necessitates of a specific design, however, experiences of the author of this proposal have resulted in the construction of an electrically-operated boat that has been in operation in a jungle environment, for over a year - and has been highly suited for the proposed venture. It is of simple - design, makes efficient use of electrical drive - and is easy to operate. It was designed as a craft to be used in a tropical environment, where noiseless operation is essential to approach elusive animal life. The boat is small, light, sturdy, portable - and extremely

the drive motor was provided by a 60 ampere-hour battery - yielding from four to eight hours running time, depending upon the operating speeds used.

To provide for solar operation of this craft, it has been determined that a panel of solar cells, sufficient to provide 60 to 100 watts of power, at 12 volts, is needed. Such a panel (about twelve square feet, of 5%-efficiency cells) can easily be supported by the craft - and will serve to charge two twelve-volt storage batteries, on which all power demands will be made. As the boat is not expected to operate during all daylight hours - yet the batteries will be under constant charge by the solar panel - the wattage output of the solar panel does not need to be greater than what represents an average consumption of power.

The craft would also be provided with power outlets at varying voltages, to provide for the charging and operation of other pieces of electrical equipment carried on the trip. In this manner, the stored potential of the boat batteries - backed up by the solar panel - would serve as a central source of electric power on such a trip. In a very real sense, the solar powered boat could be considered a mobile power supply - yet a supply not dependent upon a source of power replenishment.

The location proposed for conducting a solar expedition, is the country, Surinam (Dutch Guiana). It is suggested for several reasons:

a.) The Surinam jungle - and its waterways - is representative of many tropical jungle areas over the world, yet is readily accessible from the United States.

b.) The Government of Surinam is efficient, stable, and enjoys very friendly relations with the United States. They would readily cooperate in providing permission to make such a trip in their country, and could be counted upon for other help that would be necessary in furthering the trip's objectives.

c.) One of the principal members of the expedition (and other personnel who will be on the trip) has spent four years in Surinam, and

in contact with the interior and its people,  
 the jungle environment, while primitive, has been regarded  
 into administrative areas - each equipped with radio communication  
 with the capital city of Paramaribo. This would implement radi  
 communication to and from the expedition.

The physical objective of the expedition would be the penetration  
 of the jungle - by a waterway to be chosen later - to the  
 headwaters near the Brazil border. On this trip, various  
 river conditions would be encountered - from quiet water to  
 running rapids. It is estimated that such a trip would take  
 about a month, during which time various weather conditions  
 could serve to influence the expedition's progress.

It is suggested that the expedition consist of two crafts -  
 the solar powered boat, and a native dug-out canoe, paddled by local  
 nationals from the area. The second boat would serve to carry  
 equipment and articles to be tested - but not otherwise considered  
 part of the logistics of the solar powered boat. Also  
 accompanying the expedition would be another American technician  
 to assist in the photographic coverage, and technical aspects  
 of the solar expedition. An air base camp near, medicines,  
 hunting arms, tackle, and an 'inland ration', the trip would be  
 safe such as to require living off the land.

The technical objectives would be realized in the resulting data  
 gathered on the performance of all pieces of equipment - and  
 their overall interrelationships in a logistic context of solar  
 power as a reliable source of energy, in the field. To implement  
 this objective, a complete and complete system of equipment, the  
 expedition. In addition, specially modified boats, field training  
 and equipment will be carried out - and the results in terms of  
 performance, gathered in the field to be the major features  
 of the expedition trip. These will include as a major feature,  
 the physical requirements to the physical requirements of  
 the expedition, and the limitations that will be  
 encountered, and the possibility of power failure, and  
 the possibility of power failure, and the possibility of power failure.

selection of personal gear - to determine actual need, and an  
assessment of priority as to what should be carried on trips where  
weight limitations must be considered.

The successful accomplishment of the venture would result in  
the following benefits:

- a. The practicality of the electrical conversion of solar  
energy as a useful, constant, widespread source of power  
would be firmly established. Adaptability to other than  
contemplated applications would also be apparent in this venture.
- b. A practical 'package' drop-craft could be developed from  
the results of analysis of the trip log; a craft that would  
be capable of navigating tropical waterways, without requiring  
fuel. This craft could carry several men - noiselessly - on  
missions of reconnaissance that might include originating broadcasts from  
remote areas - after considerable periods of standing by (which  
would be possible, with such a power supply).
- c. Widespread recognition of the iron-to-earth capabilities  
of solar energy - through appropriate, approved publication of  
trip results - would result in a valuable stimulation of interest  
in the field of solar power, and an increased industry-wide  
incentive to further develop the silicon cell to higher levels  
of efficiency, while lowering production costs.

The personnel required to carry out the proposed expedition -  
and all preparatory aspects, would consist of an expedition  
leader, and Associate who would assist in the logistics of the  
expedition itself - and with the technical and reporting tasks,  
and several nationals to handle the and training native long-  
term, and its gear.

The personnel suggested to assume the tasks as expedition  
leader and Associate leader, are - respectively - John Hoke,  
and [Name], both have been stationed in [Location] for  
several years, and have spent considerable time exploring the  
area, and its resources. A detailed description of the area is included:

...trips involving a number of people - and the material associated with conducting such trips. The trip included the previous Chief of Staff of the Air Force, General ... - and his party.

...he departed Surinam in June of 1961, after serving four years with the United States Operations Mission to Surinam as a communications media officer, and technical advisor to the Surinam Government Information Service Motion Picture Unit. As an expeditionary venture, Mr. ... traveled in the jungle to conduct studies on the behavior of the South American tree-toed sloth. ... were compiled in illustrated article form, for the ... magazine. In addition, Mr. ... prepared a book for young people, titled, 'The First Book of the Jungle,' for Franklin Watts, Inc. - a publisher of children's books.

Mr. ... currently stationed in Surinam, is the Agricultural Information Advisor for ... Surinam. His background has included radio programming, administrative work, work with 4-H youth groups - and the same experience in Surinam's interior as those described for Mr. ...

... and Mr. ... are familiar with living in the jungle - and are able to operate, repair and maintain equipment usually associated with jungle penetration: outboard motors, photographic equipment, fire-arms, etc. In addition, both men have had extensive experience in working closely with native inhabitants of the country - both in connection with their assigned responsibilities, and in recreational ventures.

...the major expeditionary components of the party. ... the ... and the ... the development of the solar ... and ... The craft and expedition costs ... the neighborhood of \$10,500.00.

...of all concerned, and construction of the ... the ... and ...

equipment above and beyond the immediate needs of the expedition (items sent along for test purposes) - or the construction of the solar panel and its accessories.

The solar panel - if constructed from the "round up" complete with newly-minted silicon cells (5%) - would cost in the neighborhood of \$15,000 - \$20,000. This cost can be lowered, if existing cells can be mustered into suitable assembly in a panel delivering the appropriate voltages and wattage.

Stateside travel associated with the development and testing of a suitable solar panel for the solar boat is estimated at \$1,500. Publication costs of a final report are estimated at \$2,000. The total cost is estimated at about \$40,000.

At the present time, several other parties are being asked to sponsor this venture. These include the International Rectifier Corporation (IRC), the Silver Creek Precision Corporation (SCPC). IRC is one of the leading manufacturers of silicon cells, and SCPC is one of the leading manufacturers of electric boat motors - and maker of the motor used on the prototype electric boat. Negotiations are currently being undergone to determine the role they will play in the proposed venture. Principles of the National Geographic Society have been consulted on the nature of this venture, and they have expressed interest in its potential for treatment in the society magazine. Appended to this proposal is a file of recent active correspondence between interested parties, a breakdown of anticipated expedition costs, and a resume on Dr. Hoag's tacky boat. Illustrated material is available, whenever needed, showing pertinent trip aspects.

It is felt that the accomplishment of the objectives of this expedition will provide results of direct benefit to the Department of the Army. In order to carry out these objectives, financial assistance is respectfully solicited.

Joan Hoag  
October 24, 1961



SECURITY AGREEMENT

2 January 1962  
Date

1. I am aware of the fact that the Central Intelligence Agency by reason of the sensitive nature of its work must observe very strict security measures.

2. I agree not to inform anyone that I am being considered for a position in the Central Intelligence Agency unless specifically authorized by a representative of the Central Intelligence Agency. It is understood that it is permissible for me to indicate that I have applied for employment with the Central Intelligence Agency in connection with any Federal employment application that I may execute.

3. I agree not to disclose the recruiting or processing procedures of the Central Intelligence Agency.

4. I agree not to name or discuss any individuals with whom I have talked in the course of my application for employment with the Central Intelligence Agency.

5. I further understand that if during the course of any subsequent investigation it is discovered that I have revealed without authorization my application for employment with the Central Intelligence Agency or otherwise violated this agreement such action may constitute grounds for disqualification for or dismissal from employment with the Central Intelligence Agency.

[Signature]  
Signature

[Signature]  
Witness

