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C O V E R S H E E T

TO: R. E. Percils

NOTE: This Form has been requested by the Manhattan District for purposes of bibliography and possible future publicity. Please regard this questionnaire as CONFIDENTIAL; and answer all questions fully and in detail. Under Item No. 20 use actual names of processes, materials, etc. Do not use code symbols.

PLEASE RETURN TO J. R. Kaperbauer BY 6/12/81

FINAL DETERMINATION
UNCLASSIFIED
L. M. Redman
FEB 11 - 1981

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CLASSIFICATION CANCELLED
FOR LOS REVIEW JAN. 1973

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VERIFIED UNCLASSIFIED
PUBLICLY RELEASABLE
LANL Classification Group

Samuel J. Gersh

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FINAL DETERMINATION
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 L. M. Redman
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 MANHATTAN DISTRICT

This Document consists of 7 Page(s)
 No. 1 of 2 Copies, Series A

SCIENTIFIC RESEARCH & DEVELOPMENT PERSONNEL

(Please PRINT or TYPE. Answer all questions fully. If "None", so indicate
 If space is insufficient attach additional sheets as necessary.)

1. NAME: PEIERLS RUDOLF E
 Last First Middle Initial

2. PRESENT ADDRESS: P.O. Box 663 SANTA FE NEW MEX
 No. and Street City State

3. PLACE WHICH YOU REGARD AS YOUR "HOME TOWN": BIRMINGHAM ENGLAND
 City State

4. PLACE OF BIRTH: BERLIN GERMANY 5. DATE OF BIRTH: June 5 1907
 City State or Country Month Day Year

6. FAMILY: List the following members of your family, even though deceased:

	NAME	HOME ADDRESS (City & State)	OCCUPATION
FATHER	HEINRICH PEIERLS	UPPER MONTCLAIR, N.J.	RETIRED
MOTHER	ELISABETH PEIERLS	DECEASED	
SPOUSE	EUGENIA PEIERLS	SANTA FE N.M.	
BROTHERS (B)	ALFRED H. PEIERLS B	BROMLEY, KENT, ENGLAND	ENGINEER
SISTERS (S)	ANNIE L. KREBS S	UPPER MONTCLAIR N.J.	HOUSEWIFE
CHILDREN (C)	GABY E. PEIERLS C	SANTA FE N.M.	
(Designate after each name B,S, or C)	RONALD F. PEIERLS C	" "	

7. MILITARY SERVICE: List your military service and that of members of your family listed above:

NAME	BRANCH OF SERVICE	RANK	YEARS	
			FROM	TO
ALFRED H. PEIERLS	PIONEER CORPS BRITISH ARMY	PTE	1940	1941

8. ELEMENTARY AND HIGH SCHOOL EDUCATION:

NAME OF SCHOOL	LOCATION (CITY & STATE)	YEARS	
		FROM	TO
GYMNASIUM	OBERSCH DENE WEIDE, BERLIN GERMANY	1913	1925

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9. UNDERGRADUATE EDUCATION:

COLLEGE OR UNIVERSITY	LOCATION (CITY & STATE)	MAJOR FIELD	DEGREE	YEARS	
				FR	TO
BERLIN UNIVERSITY	GERMANY	THEO. PHYSICS		1925	1926
MUNICH	"	"		1926	1928
LEIPZIG	"	"	PH.D.	1928	1927

10. GRADUATE EDUCATION:

COLLEGE OR UNIVERSITY	LOCATION (CITY & STATE)	MAJOR FIELD	DEGREE	YEARS	
				FR	TO
FEDERAL SCHOOL OF ENGINEERING	ZURICH SWITZERLAND	THEO. PHYSICS		1927	
MANCHESTER UNIVERSITY	MANCHESTER ENGLAND		D.S.C.		

11. FELLOWSHIPS, SCHOLARSHIPS, INTERNSHIPS, TEACHING ASSISTANTSHIPS, HOSPITAL RESIDENCIES; (See No. 17)

FIRM OR INSTITUTION	LOCATION (CITY & STATE)	TITLE	YEARS	
			FR	TO
NONE FOUNDATION ROCKEFELLER FELLOWSHIP	(Work in ROME & CAMBRIDGE ENGLAND)	FELLOW	1927	1933

12. HONORARY DEGREES:

COLLEGE OR UNIVERSITY	LOCATION (CITY & STATE)	DEGREE	YEAR
NONE			

13. MEMBERSHIP IN HONORARY AND PROFESSIONAL SOCIETIES:

SOCIETY	CLASS OF MEMBERSHIP	YEARS		OFFICE HELD & YEAR
		FR	TO	
CAMBRIDGE PHIL. SOC.	FELLOW	1936	DATE	—
INSTITUTE OF PHYSICS	"	1943	"	—
LONDON PHYSICAL SOCIETY	"	1943	"	—
ROYAL SOCIETY	"	1945	"	—

14. LISTING IN "AMERICAN MEN OF SCIENCE", "WHO'S WHO" AND SIMILAR PUBLICATIONS:

PUBLICATION	EDITION OR YEAR
WHO'S WHO (British)	Since 1935

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15. OFFICES HELD IN NATIONAL SOCIAL AND FRATERNAL ORGANIZATIONS:

ORGANIZATION	OFFICE	YEAR
<i>None</i>		

16. PRINCIPAL HOBBIES:

17. FULL TIME TEACHING APPOINTMENTS WITH COLLEGES AND UNIVERSITIES:

COLLEGE OR UNIVERSITY	LOCATION (CITY & STATE)	TITLE	YEARS	
			FR	TO
FED. SCHOL OF ENGINEERING	ZURICH SWITZERLAND	ASSISTANT	1929	1932
MANCHESTER UNIVERSITY	MANCHESTER ENGLAND	RESEARCH FELLOW	1932	1935
ADND LABORATORY	CAMBRIDGE ENGLAND	ASSISTANT-IN-RESEARCH	1935	1937
BIRMINGHAM UNIVERSITY	BIRMINGHAM ENGLAND	PROFESSOR OF APPLIED MATHS	1937	<i>date</i>

18. LIST LAST THREE TECHNICAL OR RESEARCH POSITIONS PRIOR TO CONNECTION WITH THE MANHATTAN ENGINEER DISTRICT:

DESCRIPTION OF POSITION OR DUTIES	FIRM OR INSTITUTION	LOCATION	TITLE	YEARS	
				FR	TO
WAR RESEARCH UNDER CONTRACT WITH MINISTRY OF AIRCRAFT PROD.	BIRMINGHAM UNIVERSITY	ENGLAND		1940	1941
UNDER CONTRACT WITH DSIR	"	"		1941	1943
RESEARCH IN COLLABORATION WITH MANHATTAN DISTRICT	BRITISH SUPPLY COM. in N. America	NEW YORK SAN JOSE		1943	1944

19. PUBLICATIONS: List principal scientific contributions in the form of publications, inventions, and patents prior to connection with the Manhattan District.

Publications in scientific journals on quantum theory, notably the theory of solids, and the theory of nuclei

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20. TECHNICAL OR RESEARCH WORK FOR, ON, OR IN CONNECTION WITH THE PROJECT NOW UNDER THE SUPERVISION OF THE MANHATTAN DISTRICT: (Include work performed under auspices of NDRC, OSRD, etc., prior to establishment of Manhattan District)

FIRM OR INSTITUTION	LOCATION (CITY & STATE)	TITLE	DATES	
			FR(MO&YR)	TO(MO&YR)
WORK ON THE CORRESPONDING	BRITISH PROJECT		APRIL 1940	NOV. 43
WORK IN COLLABORATION	NEW YORK		DEC. 43	MAY 44
WITH KELLER & SAM			JUNE 44	DATE
PROJECT Y				

DETAILED DESCRIPTION OF WORK PERFORMED (Do not use code symbols. Use actual names of materials, processes, etc.)

IN NEW YORK: WORK ON THE THEORY OF SEPARATION BY BARRIERS ON THE STABILITY AND CONTROL OF A DIFFUSION OF PLANT. SUPERVISION OF OTHER WORK REPORTED IN "MSN" SERIES OF REPORTS

IN LOS ALAMOS: IN CHARGE OF GROUP T-1 DEALING WITH THE HYDRO-DYNAMIC THEORY OF IMPLSION. WORK ON THE PROCEDURE USED FOR THE MECHANICAL SOLUTION OF SUCH PROBLEMS, ON THE NATURE AND PROPERTIES OF DETONATION WAVES, THE STABILITY OF SHOCK WAVES AND ALLIED PROBLEMS. DISCUSSION OF THE AND EVALUATION OF EXPERIMENTAL STUDIES OF IMPLSION, AND OF GADGET DESIGN

DATE

June 12, 45

R. E. Peinls

Signature

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