



Fax Cover Sheet

Headquarters United States Air Force
Office of the Air Force Surgeon General

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TO

Date: 29 July 94

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Organization/Office Symbol: ATSD-AE

Person to Contact: Dr Gordon Soper

Phone Number to Call for Pickup: 5 695-5161

Subject: Material for MTG with Ms Sullivan

Comments: I am sending two tables, the 1st table lists files we have searched or have identified for search just in the last 2 months. In addition to these are 40 boxes of files searched at the Records Center in St Louis. The second table lists documents we have retrieved and sent to the WHAC through the RECC.

FROM

HQ AFMOA/SGPT

Grade/Name of Sender: Col Merrill

Phone number of Sender: Comm (202) 767-5078 DSN 297-5078

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21

File Location	File #	Contents	Date Reviewed	Reviewer	Notes/Findings
Washington Netherlands Records Cohen	340-60A1055	SECAF 1951-1955 Boards & Committees (Box 9, Armed Forces Policy Council (Box 15)	27 June 94	Merritt	Armed Forces Policy Council material contained manpower affairs
WNRC	340-68A9655	SECAF Correspondence 1947-63	27 June 94	Merritt	N/A = not applicable date
WNRC	340-72A6603	SECAF Correspondence 1950-1964	27 June 94	Merritt	N/A
WNRC	340-65A3152	SECAF Files 1947- 62	27 June 94	Merritt	N/A
WNRC	340-67A5143	1. Box 29 File 38- 62 Atomic Energy Detection System. 2. Box 35 File 424- 62 High latitude Research Program . 3. Box 35 File 681-62. Radiation Weapon Program	27 June 94	Merritt	1. Detect atomic blasts at long ranges. 2. Infrared mapping. 3. Lasers
WNRC	341-68A8730	1. Box 2 USAF SAB Aeronautical Bioscience Panel. 2. Box 3 SAB Report Comments Nuclear Panel 1963-1964	27 June 94	Merritt	1. OASA appointed to coordinate DoD R&D program in the area of weapons effects. 2. No human info.
WNRC	341-60A1074	Assist for Atomic Energy Correspondence 52-56	27 June 94	Merritt	AFOAT History July-Dec 64. No human info
WNRC	341-60A1348	Medical Service Correspondence 53-57	27 June 94	Brown	Manpower requirements for the medical service
WNRC	340-61A1651	Medical Service Correspondence 52-58	27 June 94	Brown	Manpower requirements for the medical service
WNRC	341-62A1688	Medical Service Correspondence 56-60	27 June 94	Brown	Manpower requirements for the medical service
NA-DC	RIG 941 Box 98	Atomic Bomb, etc	30 June 94	Merritt	N/A

National
Archives DC

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Table # 1

File Location	File #	Contents	Date Reviewed	Reviewer	Notes/ Findings
NA-DC	RG 341 Box 99	Atomic Energy Project Westem Reserve U. Cleveland	30 June 94	Merritt	Study: The Use of Plasma Protein Tagged with I-131 in the Study of Blood Volumes, Contract W31-109-ENG-78 6 July 50, 31 healthy males
NA-DC	RG 341 Box 100	Atomic Warfare Note: Entry 44 contains NEPA data	30 June 94	Merritt	UCLA Report #64 Quarterly Progress Report Contract AF-04-1-GEN-12 31 Mar 50. Many studies, appear to be animal only. Also contains 1949 report which describes establishment of the NEPA Medical Advisory Committee
NA-DC	RG 341 Box 101	Atomic Warfare	30 June 94	Merritt	N/A
NA-DC	RG 341 Box 102	Biological Warfare	30 June 94	Merritt	N/A
NA-DC	RG 341 Box 144	Medical Liaison 51-54	30 June 94	Merritt	N/A
NA-DC	RG 341 Box 121	Experimental Group Correspondence 1945	30 June 94	Merritt	Study of aviation cadets who did not successfully complete training
NA-DC	RG 341 Box 122	Explosive Decompression	30 June 94	Merritt	N/A
NA-DC	RG 341 Box 141	Directorate of Professional Services 1951-1954	30 June 94	Merritt	N/A
NA-DC	RG 341 Box 142	Special Weapons Defense	30 June 94	Merritt	Special Weapons Defense Officer Reports. N/A
NA-DC	RG 341 Box 103	Cancer Research	30 June 94	Merritt	N/A
NA-DC	RG 341 Box 104	Centrige	30 June 94	Merritt	N/A
NA-DC	RG 341 Box 105	Civil Defense	30 June 94	Merritt	N/A
NA-DC	RG 341 Box 116	Drugs	30 June 94	Merritt	N/A
NA-DC	RG 341 Box 117	Drugs	30 June 94	Merritt	N/A
NA-DC	RG 341 Box 118	Drugs	30 June 94	Merritt	N/A
NA-DC	RG 341 Box 119	Drugs	30 June 94	Merritt	N/A
NA-DC	RG 341 Box 93	Aeromedical Laboratory Quarters Research Rpts	22 July 94	Merritt	Aerova Research - Letters, blankets, ATHS. These were engineering studies. List of W-P AMC University Contracts copies
NA-DC	RG 341 Box 95	Arctic Aeromedical Lab 1950-1951	22 July 94	Merritt	Report on ionization chamber experiment to measure cosmic ray bursts in the upper atmosphere, 1947. Report from Mayo Aero Medical Unit on calculation of equivalent altitudes (alveolar gas). 21 Oct 48n Quarterly Research Rpt AML, classified pages, none dealing with radiation. Also 7 Apr 48, 1 Oct 47, 11 July 47, Pressure Suits & Deceleration. U of Washington proposed mammals study Jan 51 (no radiation). Lots of correspondence from the AAL: 1950-1951
NA-DC	RG 341 Box 96	Arctic Aeromed Lab Contract with U of Washington	22 July 94	Merritt	1949 Contract with U of Washington, mammalian physiology, comparative physiology & psychology. All on effects of cold. 1948 contract did involve humans but no mention of rats. Letters on chemical corp projects CW Casualties. All involve conditions of storage of syrettes under arctic condition. Report on clinical & Biochemical studies of the Eskimo by the Defense Research Board of Canada (no rats).

File Location	File #	Contents	Date Reviewed	Reviewer	Notes/ Findings
NA-DC	RG 341 Box 190	Grants and Research	22 July 94	Merritt	Grants & Contractural Procedures in the Air Force 15 July 48. Provides basic procedures (not medical specific). Includes statements required in contracts (no mention of human subjects).
NA-DC	RG 341 Box 135	Heat Studies, Hematology Study Section	22 July 94	Merritt	Hematology Study Section of NIH. No DoD material
NA-DC	RG 341 Box 150	Historical Studies: Aeromedical Research Lab	22 July 94	Merritt	Aeronautical Board dissolved by SECDEF Lt 27 Jul 48, functions transferred to R&D Board. 22 July 48 minutes of the R&D Committee of the Aeronautics Board. Cmtle not responsible for medical research. Annual report of Aeronmed Research Lab FY 42, 3 volumes.
NA-DC	RG 341 Box 155	1st Aeronmed Gp Research Status Rpt 30 Nov 49	22 July 94	Merritt	1st Aeronmedical Gp Rpt of Operations 1962, also Med Research Divison Rpt of 1949 which would be incorporated into semi-annual history. Dept of Psychology Monthly Activity Reports SAM 1945 Apr - July, Sept - Dec
NA-DC	RG 341 Box 156	Human Experimentation	15 July 1994	Merritt	File on Human Experimentation contains letters from the AF/SG NOT concurring with the recommendations of the NEPA Medical Advisory Committee regarding conducting human experiments on radiation. Copied files. The Human Resources Research Center was apparently at Chanute AFB. Contained only a letter requesting a manual on technical training.
NA-DC	RG 341 Box 160	Lovelace Report	15 July 94	Merritt	
NA-DC	RG 341 Box 165	Medical Intelligence: Research Projects	22 July 94	Merritt	Research Project notice, no attachments, no details, no tables, nothing.
NA-DC	RG 341 Box 168	Medical Research Facilities, Subcommittees and Medical Policy Council	15 July 1994		Staff report on Policy relative to conduct of research in medical and health fields by the Dept of Defense and three services. Copied with exception of tabs. Did copy SECDEF 2 Jan 51 establishing Armed Forces Medical Policy Council. Copied letter which gives summary of research areas 1951 and budget Reference Committee on Medical and Hospital Services of the Armed Forces, Subcommittees on Medical Research. Source RG 341 Entry 44 Box 168. This is copy eight. Annex H contains AF specific information. H-2 describes the Medical Research Division of the Office of the Air Surgeon. Other annexes pertain to Army and Navy. File also contains an annule history of medical research program for FY 50 prepared by Medical Research Division, SG office. the three tabs were Aeromedical Lab under Air Materiel Command, USAF S&A under Air University and Arctic Aeromedical Lab under Alaskan Air Command.
NA-DC	RG 341 Box 169	Medical Research	15 July 1994	Merritt	Contains a voluminous report from the Subcommittees on Employment of Military Medical Resources of the Committee on Medical and Hospital Services of the Armed Forces dated 25 May 48. Material does not relate to research. However there are separate annexes which detail hx of Office of Naval Research.
NA-DC	RG 341 Box 170	Medical Research	15 July 1994	Merritt	Contains six copies of a report by the SAB dated Dec 1950 entitled Medical Research & Development in the United States Air Force. Copied introduction and summary. Also contains a host of Army research reports. No radiation
NA-DC	RG 341 Box 171	Medical Research	15 July 1994	Merritt	File empty, withdrawn by source in 1977.
NA-DC	RG 341 Box 172	Mailing, Richard L	15 July 1994	Merritt	Copied Memo to Gen Ogilvie comments on memo from Dr. Melling 17 Nov 49. Melling memo not in file.
NA-DC	RG 341 Box 173	National Research Council	15 July 94	Merritt	Copies of the National Research Council reports 1948 - 1950.
NA-DC	RG 341 Box 174	National Research Council	15 July 1994	MERRITT	Civil Aeronautics Administration reports.
NA-DC	RG 341 Box 175	National Research Council	15 July 1994	Merritt	Navy Bureau of Aeronautics reports.
NA-DC	RG 341 Box 194	Office of Scientific Research	22 July 94	Merritt	Office of Scientific Research, contains memo on civilian medical research committees 27 Sept 41. OSR&D was a War Dept level cmte.

File Location	File #	Contents	Date Reviewed	Reviewer	Notes/ Findings
NA-DC	RG 341 Box 208	Presidents Scientific Research Board	22 July 94	Merritt	SAM Rpts on Pilot Selection 1942-1945. Presidents Scientific Research Board Lt to Board gave # people, budgets of SAM & Aeromed Lab, includes list creating board by Pres Truman, purposed to determine if duplication of effort exists in federal research.
NA-DC	RG 341 Box 250	Publications	22 July 94	Merritt	Contains survey on altitudes toward combat
NA-DC	RG 341 Box 257	Quarterly Research Reporting	22 July 94	Merritt	US Army quartermaster studies
NA-DC	RG 341 Box 258	Radiation	15 June 94	Merritt	Several NEPA reports. Copied parts of report 1019_-IER-17. Note well that USFSL stands for University of California Radiation Laboratory. This file also contains quarterly progress reports from U of Chicago under contract to AF for 1951-1952. Several additional animal reports
NA-DC	RG 341 Box 259	Radioactive	15 July 1994	Merritt	Copies of reports from Brookhaven. Not AF related
NA-DC	RG 341 Box 260	Radioactive	15 July 1994	Merritt	Primarily contains copies of reports from NRD.
NA-DC	RG 341 Box 261	Radioactive	15 July 1994	Merritt	Contains a copy of Handbook of Radioactivity and Tracey Methodology, AF Tech Report 5869. Report of the Radiobiology Study Section of the NIH PHS
NA-DC	RG 341 Box 262	Radioactive	15 July 1994	Merritt	Additional reports from the NIH PHS Radiobiology Study Section 1948-49 including a list of grants awarded to universities
NA-DC	RG 341 Box 269	Radioactive	15 July 1994	Merritt	Report of Navy Radiobiological Safety School 1948. Also contains some Rand Project reports. No radiation
NA-DC	RG 341 Box 270	Reports: Aeromedical lab, Ladd AFB	15 July 94	Merritt	Arctic Aeromedical Lab Reports. Project 22-1901-0001 The Body Surface Area of Eskimos as Determined by the Linear and the Height-Weight Formulas 1952. Has two pictures, Eskimos are laying prone, covered with towel. Report by Rodahl
NA-DC	RG 341 Box 272	R&D: Human Resources 1950	22 July 94	Merritt	Aviation Psychology Program ATC Lackland AFB. Research Bulletin 1947, Officer Qualities, Apr 50 R&D Projects. All from the Human Resources Research Cr.
NA-DC	RG 341 Box 274	R&D Chemical Corp: Radiological Annex	22 July 94	Merritt	Chemical Warfare Medical Research Committee on Chemical Warfare Dod R&D Board, list of project #'s only. Also contains SECRET 1950 Chem Corp R&D Program (now declassified)
NA-DC	RG 341 Box 275	R&D, Wright Air Development Center, R&D 1952	22 July 94	Merritt	AF R&D Budget FY 51 and estimated obligations 49 & 50. 30 Apr 52 W-P R&D info Rpt lists all projects, including aeromedical lab, none involve radiation. Rpt of the War Dept R&D Program. No date, report appears incomplete. No mention of radioactivity or atomic energy.
NA-DC	RG 341 Box 276	R&D, Chemical Warfare Service Contracts various universities	15 July 1994	Merritt	Johns Hopkins reports on chemical warfare agents.
NA-DC	RG 341 Box 277	R&D USAF 1950-51	22 July 94	Brown	OTI rpts ARDC 30 June 50, 30 Sep 51, 31 Dec 52. 1951 est of OSF and establ Human Factors under AFDC from SG
NA-DC	RG 341 Box 278	Aeromedical Res Reports	22 July 94	Brown	J Carlton Ward, Fairchild Eng & Aircraft, testimony to Congress 10 July 44 on need for R&D.
NA-DC	RG 341 Box 279	Research Data: Gallium	22 July 94	Brown	Empty folder
NA-DC	RG 341 Box 282	R&D Data, SAB and SAM 1945	15 July 1994	Merritt	SAB file empty. Nice picture of shark bites.
NA-DC	RG 341 Box 289	SAM Project Rpts	22 July 94	Brown	Several SAM rpts on cold/hypoxia, hypoxia, no red studies
NA-DC	RG 341 Box 290	SAM Project Reports	22 July 94	Brown	SAM Rpts 21-23-006, 21-24-005 (1 missing?), Heat studies, has P32 study from Northwestern, we already have copy.
NA-DC	RG 341 Box 291	SAM Project Rpts	22 July 94	Brown	SAM Rpts - Auditory, Several air sickness drug studies.
NA-DC	RG 341 Box 292	SAM Project Rpts	22 July 94	Brown	Upper Air Microorg studies, athletes foot, high altitude studies, air sickness drug studies.

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NA-DC	RG 341 Box 293	SAM Project Rpts	22 July 94	Brown	Talbot/Gerstner Pub 21-47-001 Bone Marrow Implants/radiation (rats), Radiation Studies: Mitchell et al animals irradiation studies; Fields rats; Gerstners frogs; Burdick et al rats; Danies U of C amosha.
NA-DC	RG 341 Box 294	SAM Project Rpts	22 July 94	Brown	X-rays mice, biologic effect x-rads - rats, SAM Special Rpt Aerocottis (radium rods therapy mentioned). SAM Spect Rpt (St Albans Hosp, Newy.) Albino rats, behavioral changes per radiation, SAM Special Rpt U of Chicago Whole Body Irradiation of Rats, SAM Special Rpt Radioactivity dust filter Piccering/Talbot, SAM Special Rpt Maza Habits of rats p radiation.
NA-DC	RG 341 Box 295	SAM Project Rpts	22 July 94	Brown	Several studies with x-ray/fluoroscopy 1942, made copies. Motion sickness and swing sickness.
NA-DC	RG 341 Box 296	SAM Project Rpts	22 July 94	Brown	Dial legibility, drug studies, anti-malarials, motion sickness, fitness
NA-DC	RG 341 Box 297	SAM Project Rpts	22 July 94	Brown	Many animal studies, apoxia, hypoxia, frostbit, cold, acceleration and deceleration
NA-DC	RG 341 Box 298	SAM Project Rpts	22 July 94	Brown	Feces urubilinogen, lab studies, aroxia, flyer rpts, flight nurses, FDB Reporting Process of AFCAT-1
NA-DC	RG 341 Box 300-301	Scientific Advisory Board	15 July 1994	Merritt	Another copy of the SAB's report on Medical Research & Development in the USAF. Previously copied.
NA-DC	RG 341 Box 316	Toxicity U of Chicago Lab	15 July 1994		15 July 49 Quarterly Progress Report from U of Chicago Toxicity Lab on Radiobiology, Chemical Corp Contract No W-49-057-CWS-23. All animal studies. These studies were commissioned by the AEC. File includes a 21 June lt from Franklin Molcan Project Director in Chicago subject concerns transfer of funding from AEC source to AF source beginning 1 July 51 via SAM.
NA-DC	RG 341 Box 317	U of VA Biochemical Lab Report 1948, UCLA	15 July 94	Merritt	Study by UVA on castor beans
NA-DC	RG 341 Box 337	X-ray Equipment			
NAS	RG 341 Gp 23	Top Secret Incoming and Outgoing Messages Oct 47 - Jan 58 51 Feet			According to My Boylan these are massages only, not memos
NA-DC	RG 341 GP 10	Correspondence of Special Assist to CS on R&D activities 1951-53 7 Feet			
NAS	RG 341 GP 169	DCS R&D Office of Director, Minutes, Agency and Papers of the R&D Board 1946-May 53, 3 feet			
NAS	RG 341 GP 197	DCS Operations, Assistant for Atomic Energy; Top Secret Correspondence 1945-1955 13 feet			

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NAS	RG 341 GP 199	DCS Operators, Assistant for Atomic Energy; Correspondence on Bio and Chem Warfare Activities 1951-1953, 6 feet			
NAS	RG 341 GP 915	Office of the Dep for Science and Components, Propulsion Division Dossiers on R&D Projects 1948-1955, 5 Feet			
NAS	RG 340 Entry # 1	SECAF Correspondence 1947-54. Decimal 471.6			
NAS	RG 340 Entry #41	Special Assistant for R&D			
NAS	RG 340 Entry #7	SECAF records including medical studies on effects of atomic bombs			
WNRC	341-59A0196	Material Atomic Energy Gp 1955-56, 1 ft			
WNRC	341-60A1114	Atomic Test Plans 2 ft			
WNRC	341-61A1397	R&D OOR's 1 ft			
WNRC	341-62A1868	Med Svc Correspondence 1956-60 1 ft			
WNRC	341-63A1813	R&D Progress 1950-62, 1 Ft			
WNRC	341-66A3513	R&D Dev Plans 1956-64 1 Ft			
WNRC	341-67A4814	SAB fls 48-64, 4 ft			
WNRC	341-70A5804	SG Mad hx 50-67, 4 ft	19 July 94	Maritt	Contained the semi-annual histories from 1959-1965. Included was some medical unit histories. Carton 1 contains early 1960's histories of the Aerospace Medical Division of AFSC.
WNRC	342-69A5427	HQ Aerosp Res Corres 64-64, 1 ft			
WNRC	341-80A1075	Assist for Atomic Energy Correspondence 1956			

Number	Title	Author	Date of Document	Organization	Where Found	Date Sent to REGG	Result Cases for	Notes
0008	Letter to Dr. Shields Warren, Director of Medicine and Biology, AEC	M. C. Leverell, Technical Director, NEPA project, Fairchild Corp	2/15/51	NEPA Project	NA-DC	7/19/94		Contains a chronological review of the NEPA's efforts to obtain approval for human experimentation
0009	Medical Research Activities of NEPA Division, Fairchild Aircraft	Colonel A. P. Gagge	3/7/51	HQ USAF/SG Medical Research Division	NA-DC	7/19/94		Summarizes 3/6/51 meeting at the Aero Medical Laboratory, Wright Patterson with NEPA project personnel and Colonel Gagge. How could the AF continue and implement the NEPA medical research program. Established new medical advisory committee. DR. Lewis from NEPA continued to push for human research
0010	Memo for Gen Ogle, Comments on Memorandum from Dr. Melting	Major William F. Sheeley	11/17/49	HQ USAF/SG Acting Chief, Medical Research Div	NA-DC	7/19/94		Outlines reasons for doing research in ionizing radiation. Does not make any mention of doing this research in humans.
0011	NEPA Report 1019-IBR-17 Tabulation of Available Data Relative to Radiation Biology	NEPA Medical Advisory Panel	1949	NEPA	NA-DC	7/19/94		Includes names of panel plus AEC consultant members, introduction to report and tablets from report entitled Effect of Radiation Human Cases and tablet Effect of Total Body Irradiation Human Cases.
0012	Report of the Ad Hoc Committee on Medical Research and Development in the USAF	Scientific Advisory Board, USAF	12/50	HQ USAF	NA-DC	7/19/94		Report of the SAB on aeromedical research with the USAF. Identifies medical research units, their functions, organizational chart, Irradiation Human Cases.
0013	Letter to Dr. Hans Popper	Colonel Maxwell, Action Dir Professional Services	3/15/51	HQ USAF/SG	NA-DC	7/19/94		Response to letter (atcl) from the Hekdoen Institute for Medical Research of the Cook County Hospital. Appears to be a veiled request for funding support. List of proposed projects included ionizing radiation research

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0014	Letter to Dr. J. J. Schifferes	4/20/51	HQ USAF/SG Chief, Med Res	NA-DC	7/19/94		Response to Schifferes letter requesting info on USAF medical research, includes FY 51 budget and general areas of AF medical research, included in the list is aeromedical aspects of radiation and radiation problems.
0015	Letter to Dr. P. E. Rekers Institute for Medical Research, Cedars of Lebanon Hosp. Los Angeles CA	3/5/51	HQ USAF/SG Chief, Med Res	NA-DC	7/19/94		Responds to Rekers request (atch) for funding support for non-irradiation projects. Gagge refers him to USAF School of Aviation for radiobiology.
0016	Letter to Dr. R. Foster St Louis University	5/21/51	HQ USAF/SG Chief, Med Res	NA-DC	7/19/94		Responds to Fosters request (atch) for funding for research. Letter identifies the three AF laboratories.
0017	Charter for Committee on Medical Research in the Department of Defense	8/29/51	unknown	NA-DC	7/19/94		Identifies purpose and membership of the committee, functions, responsibilities and administration.
0018	Staff Report, Consideration of Policy Relative to the Conduct of Research in Medical and Health Fields by the DoD and three services	1951	Armed Forces Medicine Policy Council	NA-DC	7/19/94		Staff Report on Policy relative to the conduct of research in medical and health fields, includes as atch 1/2/51 SECDEF memo establishing the Armed Forces Medical Policy Council and implementing directive.
0019	AFR 80-2 Research and Development, Research and Development in Human Resources	8/31/48	HQ USAF	NA-DC	7/19/94		Assigns responsibility for research in human resources (psychological and social sciences)

Serial	Title	Author	Date of Doc	Organization	Where Forwarded	Date Sent to NRC	Resell Copy	Notes
0024	M.D. Anderson Cost Reimbursement Contract, 10/19/50, The University of Texas, M.D. Anderson Hospital. "A Study of the Intellectual, Perceptual and Psychomotor Abilities of Patients following Radio-Therapy	USAF SAM	10/19/50	USAF SAM thru Commanding General Air University to Commanding General, Air Materiel Command, WPAFB	NRC, St Louis, MO	6/10/94		Original Contract with the M.D. Anderson Hospital for Radio-Therapy studies
0025	Trip Report by Lt Col Talbot of USAF SAM. on visit to the M.D. Anderson Hospital on 2 Mar 1950 in connection with the NEPA Project to explore the possibility of making psychomotor observations of some of the patients undergoing radiotherapy.	Lt Col Talbot	4/3/50	USAF SAM	NRC, St Louis, MO	6/10/94		Visited Drs. Clark, Fletcher, and Grinnett at the M.D. Anderson Hospital; discussed the proposed psychomotor project for NEPA.
0026	Charter for Committee on Medical Research in the Dept of Defense	Lt Col Talbot	12/22/50	USAF SAM	NRC, St Louis, MO	6/10/94		Visited Dr. R. Lee Clark and members of staff at M.D. Anderson; meeting served to finalize the administrative details of contract in support of the NEPA Project.
0027	Staff Report on the Conduct of Research in Medical and Health Fields by the DoD and military departments	Maj Schwartz, Col Sweeney	1/21/54	USAF SAM	NRC, St Louis, MO	6/10/94		Discussion of continuation of the M.D. Anderson Project which had been in progress for 2 and 1/2 years.
0028	AF Regulation 80-2, Research and Development in Human Resources		8/55	USAF SAM	NRC, St Louis, MO	6/10/94		Discussion of continuation of the M.D. Anderson Contract which had been in progress for 3 years.

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File	Auditor	Date of Report	Organization	Where Forwarded	Date Submitted	Receipt Date	Notes
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0029	Report of the Subcommittee on Medical Research	Jessie Wine, Budget and Fiscal Officer; Col Pickering, Project Officer	1/26/54	USAF SAM	NRC, St Louis, MO	6/10/94		Request of funds for 1-year extension of contract; Contract #AFJ3(038)-20493
0030	Trip Report to Federal Records Center, St Louis MO, AFMOA/SGPT Ltr, 10 June 94	Drs. Lanson, Billings, Bennett; Department of Pathology and Radiology and the Radiobiology Division of the Atomic Energy Project, School of Medicine, UCLA	May 1959	UCLA/USAF SAM	NRC, St Louis, MO	6/10/94		Joint AEC/AF study contracted with UCLA; involves animals.
0031	Trip Report; Lt Col Talbot	Lt Col Talbot	12/18/50	USAF SAM	NRC, St Louis, MO	6/10/94		Trip report on attendance at the meeting of the Radiological Society of North America
0032	Trip Report by Maj Pickering on trip to University of Chicago	Maj Pickering	11/30/51	USAF SAM	NRC, St Louis, MO	6/10/94		Purpose to complete the contractual details of mutual contract between USAF SAM and U. of Chicago
0033	Trip Report; Visit to the U. of Chicago	Col Sweeney and Maj Schwartz	6/12/56	USAF SAM	NRC, St Louis, MO	6/10/94		Coordination of research activities with the U. of Chicago.
0034	Trip Report; Visit to the Arctic Aeromedical Laboratory, Ladd AFB, Alaska		Feb 50	USAF SAM	NRC, St Louis, MO	6/10/94		General Info on the Arctic Aeromedical Laboratory at Ladd AFB, Alaska

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0035	Proctor, Goldblith and Richardson, Dept of Food Technology, MIT	5/15/56	MIT and USAF SAM	NRC, St Louis, MO	6/10/94		Portion of a very extensive review of the literature on subject topic; total report is several hundred pages.
0036	MGen Benson	7/18/57	USAF SAM	NRC, St Louis, MO	6/10/94		Funds disbursement and description of several projects.
0037	Col Hudson	10/10/56	USAF SAM and Medical and Allied Sciences	NRC, St Louis, MO	6/10/94		Termination Report
0038	Capt Taube	8/20/56	Air Research and Dev Command, Randolph AFB	NRC, St Louis, MO	6/10/94		Cost Reimbursement; mentions human subjects and how treatments and observations must be conducted.
0039	Capt Schwartz	1/4/51	USAF SAM and the U. of Texas	NRC, St Louis, MO	6/10/94		Research Project 21-47-003
0040	MGen Armstrong	1/24/51	HQ USAF/SG	NRC, St Louis, MO	6/10/94		Report of Ad Hoc Commission of physicians and radiologists.
0041	Thomas B. Spencer, Exec. Dir Cmte on Med Sciences	Sept 51	R&D Board				Provided by the RECC. Talks about visit to MCV (Burning Secrets). Also mentions AF Lab at Chicago.

File	Author	Date of Issue	Organization	Where Held	Date Sent to RECC	Revised Date	Notes
0042	Thomas B. Spencer, Exec Dir Cmte on Med Sciences	Sept 51	R&D Board				Provided by the RECC, includes attachments
0043	Minutes Joint Panel on Medical Aspects of Atomic Warfare	2/25/52	R&D Board				Provided by the RECC. Mtg attended by Lt Col Pickering, Col Blount, Col Talbot
0044	Directive Joint Panel on Medical Aspects of Atomic Warfare	2/23/49	R&D Board				Provided by the ACHRE. Provides details on establishing this panel.
0045	Memo for Joint Panel on Medical Aspects of Atomic Warfare	12/15/52	Cmte on Medical Sciences R&D Board				Received from the ACHRE. Contains list of research projects including five AF projects.
0046	Program Guidance Report Joint Panel on the Medical Aspects of Atomic Warfare	9/12/52	R&D Board				Received from the ACHRE
0047	Memorandum for Record, Human Study Involving Chromium 51-Tagged RBC's, AFMO/ASGPT MFR	7/19/94	U. of Texas and USAF SAM	NRC, St Louis, MO	7/21/94		Study of the incidence of sickle cell trait and other hemoglobinopathies.
0048	Minutes, Research Council Mtg, USAF SAM	11/2/54	Northwestern U. and USAF SAM	NRC, St Louis, MO	7/21/94		Discussion of studies under contract with Northwestern, in addition to animal work involving ionizing radiation mentions P32 uptake involving humans.

4	Title	Author	Date of Dis	Origin	Where Reported	Date Sent to REGC	Report Filed	Notes
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0049	Negotiation of a cost reimbursement contract to Northwestern U. to perform research on "Effect of Irradiation on P32 Uptake by Bone Marrow"	Capt Schwartz	9/26/50	Northwestern U. and USAF SAM	NRC, St Louis, MO	7/21/94		Research to be done by Dr All at Northwestern with cooperation by Dr Cooper.
0050	Minutes of Research Council, 16 Aug 56, USAF SAM		8/16/56	USAF SAM	NRC, St Louis, MO	7/21/94		Discusses proposal by Dr. Levin of the U. of Texas "To Study the Effects of Total Body Irradiation and Local Irradiation on the Metabolism of the Hematopoietic System in Humans"
0051	Trip Report, Lt Col Pickering, 9/20/52	Lt Col Pickering	9/52	USAF SAM	NRC, St Louis MO	7/21/94		Lt Col Pickering discusses recommendation by the subcommittee on Blast, Burns and Psychological Studies to study primary blast and direct blast injury.
0052	Negotiation of Cost Reimbursement Contract with the U. of Chicago	Capt Schwartz	4/23/51	U. of Chicago and USAF SAM	NRC, St Louis, MO	7/21/94		Project No. 21-47-005 (AW-6a); "Biological and Medical Aspects of Ionizing Radiation"
0053	Procedures and Format for Research and Development Board Information and Report Requirements, 3 Jan. 1950	BGen Powell	1/3/50	HQ USAF/SG	NRC, St Louis, MO	7/21/94		Document contains instructions and several appendix(s) from 1949-1950
0054	Additional Cost Justification Reimbursement Contract with Northwestern U.		1950?	Northwestern U. and USAF SAM	NRC, St Louis, MO	7/21/94		"Effect of Irradiation on P32 Uptake in Bone Marrow";
0055	AF SG Semi-Annual History July - Dec 63	Unknown	1963	HQ USAF/SG	WNRC Suitland	7/21/94		References discussions on the development of regulations on human experimentation by the DoD Joint Medical Research Conference 1963. These discussions led to the first AF regulation on informed consent

File	Author	Date of Box	Organization	Where Found	Date Sent to NRC	Result Category	Notes
0064	W. A. Rambach J. A. D. Cooper, H. L. Alt	6/53	Northwestern University Medical School	Brooks AFB Library	7/21/94		Project 21-350-0001 Project Report
0065	Rambach, Moomay, Alt and Cooper	4/52	Northwestern University Medical School	Brooks AFB Library	7/21/94		Project 21-23-029 Project Report. Animal Study.
0066	Norman, Sasaki, Ottoman, and Veomell	12/67	UCLA School of Medicine, Radiology Dept	Brooks AFB Library	7/21/94		Chromosome aberrations in lymphocytes taken from peripheral blood use to estimate radiation dose. Primarily an in vitro research project but does reference some data from whole body irradiation.
0067	Notes Lt Col Dan Brown	6/2/94	HQ USAF/SGPT	NRC, St Louis, MO			List of files in Box 342-59-A-4129 project files, none dealt with human studies but larger number of animal radiation studies.
0068	List of files Unknown			NRC, St Louis, MO			List of files from the Arctic Aeromedical Lab which were searched 1-2 June 94
0069	List of Files Unknown			NRC, St Louis, MO			List of files from School of Aviation Medicine which were searched 1-2 June 94
0070	Trip Report Lt Jack Williams	9/5/53	School of Aviation Medicine	NRC, St Louis, MO			Trip report to Sheppard AFB to make observations necessary to complete combined diphtheria-tetanus toxoid study. This was the subject of a Congressional Inquiry from a constituent in Lakeland FL.
0071	List of Files Searched Lt Col Susan Mitchell	6/3/94	Armstrong Lab, Brooks AFB	n/a			List of files she searched at St. Louis with annotations for each box. Files copied are documents 0072-0080
0072	Changes in the Proteolytic and Antiproteolytic Activity of the Blood Serum in Man and Animals Following Exposures to X-rays	2/54	Baylor University College of Medicine	NRC, St Louis, MO	7/21/94		Coversheet only of project conducted under AF Contract 33(038)-15985, project number 211-350-0004

* #	Title	Author	Direct Date	Oxygen Station	Where Housed	Date Submitted RDPC	Resell Class ROM	Notes
0073	Isotopic Oxygen Consumption at Low Oxygen Tensions	Unknown	4/6/51	School of Aviation Medicine	NRC, St Louis, MO	7/21/94		Cancellation of project and note regarding diverting use of C-18 to project 21-47-003
0074	Proposal to Study Human Cold Adaptation in Korean Diving Women	F. Milan	1960 ?	University of Buffalo	NRC, St Louis, MO	7/21/94		Proposal to conduct study in Korean Women assessing cold adaptation. Study sponsored by Arctic Aeromedical Lab. No mention of measuring thyroid function with radioactive iodine. Study published in J of Applied Physiology Vol 17, No 6, Nov 62, pp 961
0075	Letter from University of Buffalo to San Antonio R&D procurement office	Raymond Ewell	5/18/60	University of Buffalo	NRC, St Louis, MO	7/21/94		References purchase of a scintillation counter to measure potassium and sodium fluxes across cardiac muscle.
0076	Effects of Combination of Protective Compounds on Radiation Injury	Hietbrink, Raymond, and DuBois	unknown	University of Chicago	NRC, St Louis, MO	7/21/94		Abstract of rat work
0077	Reaction to Short-Term Radiation in Man	Herbert B. Gerstner	1960	School of Aviation Medicine	NRC, St Louis, MO	7/21/94		First page of article published in Annual Review of Medicine Vol 11, 1960
0078	Initial Clinical Reaction to Therapeutic Whole-Body x-radiation	William C. Levin, M. Schneider, H. Gerstner	1960	University of Texas Galveston and School of Aviation Medicine	NRC, St Louis, MO	7/21/94		Levin's initial report on whole body irradiation study
0079	USAFSAM Regulation No 11-2	Maj Allan D. Sutton	3/4/53	School of Aviation Medicine	NRC, St Louis, MO	7/21/94		Research Project Procedures regulation from the School of Aviation Medicine. Explains the process for intramural projects and extramural reports.
0080	USAFSAM Regulation No. 80-1	Maj Allan D. Sutton	10/18/54	School of Aviation Medicine	NRC, St Louis, MO	7/21/94		Regulation explains structure and purpose of the Research Council at the SAM.
0081	USAFSAM Regulation 160-5	Capt Clarence B. Kirk	1/30/57	School of Aviation Medicine	NRC, St Louis, MO	7/21/94		Prevention of Injury Due to Chronic Exposure to Ionizing Radiation regulation. Explains the isotopes board function

Title	Author	Date of Doc.	Organization	Where Found	Date Sent to RECC	Reel Case No.	Notes
0082 Brief Discussion of Individual Programs with Estimated Budgetary Needs I. Human Experimentation	NEPA Medical Advisory Committee	1/5/50	NEPA	NA-DC	6/30/94		Recommends doing research in prisoners and patients with cancer. Does indicate that subjects must be volunteers.
0083 AAF Regulation 20-1, Organization of Army Air Forces	HQ Army Air Forces	9/15/45	HQ Army Air Forces	Maxwell AFB, AFHRA	7/26/94		Page 4 details responsibilities of the Air Surgeon to include "direct the aero-medical research and altitude training programs; immediate supervision over School of Aviation Medicine"
0084 Research Rpt: Physiology of Increased Intrathoracic Pressure in Relation to the Effect of Centrifugal Forces (1)	Capt Robert Rushmer	11/10/43	School of Aviation Medicine	NA-DC	7/26/94		Report of human research project which involved fluoroscopic examination of the diaphragm and chest x-rays
0085 Research Report: The Effect of Altitude on Gastrointestinal Motility	Capt Francis McDonough	9/20/43	School of Aviation Medicine	NA-DC	7/26/94		Report of human research project which involved abdominal x-rays in 19 subjects.
0086 Research Rpt: Study of the Valsalva Procedure by means of the electrocardiograph, arteriograph, and telerecintgenograph	Capt Robert Rushmer	2/2/43	School of Aviation Medicine	NA-DC	7/26/94		Report of human research project which involved chest x-rays in 14 subjects.
87 Ltr from Col Gage to Col Paul A. Campbell, Director of Research, SAM	Col A. P. Gage	12/8/50	HQ USAF/SG	NA-DC	7/26/94		Letter outlines transforming research projects of SAM from basic science into operationally oriented projects. Gives a detailed discussion of the research interests in 1950. Lists several radiation study areas.
0088 Research Rpt: Physiology of Increased Intrathoracic Pressure in Relation to the Effect of Centrifugal Forces (2)	Capt Robert Rushmer	12/1/43	School of Aviation Medicine	NA-DC	7/26/94		Additional report on study identified in document 84.

Index	Author	Date of Report	Organization	Where Found	Date Sent to AFMCC	Report Category	Notes
0089	Research Rpt: Roentgenograph studies of gastrointestinal motility observed in swing test subjects (1)	Capt Francis E. McDonough	7/15/43	School of Aviation Medicine	NA-DC	7/26/94	Study in which fluoroscopy (19 subjects) and x-rays (81 subjects) were made of gastrointestinal track following barium administration.
0090	Research Rpt: Roentgenographic studies of gastrointestinal motility observed in swing test subjects (2)	Capt Francis E. McDonough	12/31/42	School of Aviation Medicine	NA-DC	7/26/94	Part 2 of the study to determine what causes air sickness.
0091	Letter: Exchange of Information on University Contracts	Col E. J. Kendrick	7/11/46	Air Materiel Command	NA-DC	7/26/94	List of university contracts supported by the Aero Medical Laboratory, Engineering Division, Air Materiel Command. Letter was sent to Col Benson at SAM. Lists contracts under negotiation including one listed as "Use of Radioactive Isotopes" with the U of Ca at Berkeley
0092	DOD Directive 5128.7	William C. Foster	05/05/52	Department of Defense	NA-DC	08/01/94	DOD Directive giving the charter of the Research and Development Board
0093	Memorandum for General Partridge on Organization of "Research " in ARDC	Louis N. Ridenour		ARDC	NA-DC	08/01/94	Memorandum written by Louis Ridenour acting as a consultant. Study centers on activities under the cognizance of Directorate of Research and its organizational capacity to run those activities.
0094	Memorandum for Secretary Talbot evaluating aircraft nuclear propulsion program in the Air Force	Trevor Gardner	03/31/53	Department of the Air Force	NA-DC	08/01/94	Memorandum recommends the continuation of the Air Force ANP program but also recommends that the entire program should be reviewed by ARDC to determine if the expenditure rate is too high.
0095	Research Proposal from the Lovelace Foundation	Louis N. Ridenour	04/12/51	Office of the Surgeon General, USAF	NA-DC	08/01/94	Evaluation of proposed program of research into physiological effects of blast, ionizing radiation, and thermal radiation recommending development of the program.
0096	Air Force Regulation NO. 80-5 on Research and Development	Hoyt S. Vandenberg	03/25/49	Department of the Air Force	NA-DC	08/01/94	Regulation establishing procedures and applicable policies pertaining to Air Force research and development.

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