

0

AD621544

Prevention of Deterioration Center  
Division of Chemistry and Chemical Technology  
National Academy of Sciences-National Research Council

✓  
f

BIBLIOGRAPHY

ON

DEGRADATION OF TEXTILES BY MICROORGANISMS,  
WEATHERING AND ATMOSPHERIC POLLUTANTS

December 15, 1962

Prepared by  
Richard W. H. Lee

DDC  
RECEIVED  
AUG 17 1965  
DDC-IRA E

2101 Constitution Avenue  
Washington 25, D. C.

Q

### INTRODUCTION

This bibliography is intended primarily as a guide to work done in the field of atmospheric deterioration of textile materials. Emphasis is placed upon the effects of microbiological agents, weathering, light, and air pollutants. Also included are materials relating to effects of soiling, chemicals, and certain deleterious effects associated with laundering. Excluded are papers dealing with soil burial and soil microorganisms, water resistance and waterproofing per se, and nuclear radiation.

This literature search was conducted among the technical documents within the Library of the Prevention of Deterioration Center. Papers selected are arranged in three categories, viz.:

1. Effects of microbiological agents
2. Effects of light and weathering
3. Effects of chemicals and atmospheric pollutants

Within each group, the references are listed numerically in accordance with PDC Library Call Numbers. Persons desiring loan of documents listed therein should address their requests to the Librarian, Prevention of Deterioration Center Library.

Prevention of Deterioration Center  
National Academy of Sciences-National Research Council  
Washington 25, D. C.

TABLE OF CONTENTS

	<u>Page</u>
PART I	
Effects of Microbiological Agents . . . . .	1 - 51
PART II	
Effects of Light & Weathering . . . . .	52 - 94
PART III	
Effects of Chemicals & Atmospheric Pollutants . . .	95 - 103

PART I

EFFECTS OF MICROBIOLOGICAL AGENTS

- AN-6 INVESTIGATION OF MILDEW IN MATTRESSES WHEN ENCASED IN BEDDING BAGS AND EXPOSED TO TROPICAL WEATHER CONDITIONS - REMEDIAL MEASURES. (Report No. 1, Research Project X-221, National Naval Medical Center) 7 pp. March 2, 1944.
- AN-27 HISTORY ON MILDEWPROOFING OF FABRIC SURFACES - MEMORANDUM ON. (Bureau of Aeronautics, Navy Department) 2 pp. April 1944.
- AN-29 FUNGICIDE FOR DOPED FABRIC TO PREVENT MILDEW - ABSTRACT FROM REPORT ON STATUS OF EQUIPMENT AND MATERIALS BRANCH PROJECTS. (Bureau of Aeronautics, Navy Department) 1 p. May 31, 1944.
- AN-97 U.S. Quartermaster Depot, Philadelphia, Pennsylvania  
TROPICAL DETERIORATION RESEARCH LABORATORY WEEKLY REPORTS.  
(Weekly Reports from week ending September 9, 1944 to week ending April 22, 1945- Index included)
- AN-103 U.S. Quartermaster Depot, Jeffersonville, Indiana  
FINISH, TEXTILE, RESISTANT TO DEGRADATION. PROJECT R 550-42.  
(Weekly Reports from week ending June 16, 1944 thru week ending December 28, 1945)
- AN-158 Reuszer, Herbert W.  
STUDIES ON THE ROLE OF BACTERIA IN THE DETERIORATION OF COTTON DUCK UNDER TROPICAL CONDITIONS. (Joint Army-Navy-NDRC Tropical Deterioration Steering Committee, and Office of Field Service) 42 p. April 1945.
- A-227(1) Siu, Ralph G.H., and W. Lawrence White  
THE MICROBIOLOGICAL DEGRADATION OF COTTON FABRICS. (Investigations conducted at the Quartermaster tropical deterioration laboratory). U.S. Quartermaster Corps. Military Planning Division. Research and Development Branch. Microbiological Series, Report 1; Textile Series, Report 6; 64 p. December 1945.
- AN-239 Houghten, Mattie L.  
U.S. PATENTS OF MILDEW PROOFING (1944-1864). Photostat.  
(U.S. Bureau of Ships. Research and Standards Branch. Technical literature research series no. 24) 1 p. September 1944.
- A-257 Barghoorn, Elso S.  
FIELD STUDIES OF THE DETERIORATION OF TEXTILES UNDER TROPICAL CONDITIONS. (U.S. Quartermaster Corps. Military Planning Division. Research and Development Branch. Textile Series, Report 24) 67 p. June 1946.
- A-301 U.S. Quartermaster Depot, Jeffersonville, Indiana (Engineering Division)  
TEXTILE FINISH, RESISTANT TO DEGRADATION BY MICROORGANISMS AND TROPICAL EXPOSURE. (O.Q.M.G. Project 550-42, A progress report on comparison of fungicides in resin coated fabrics) 3 p. June 1945.

- A-313 U.S. Quartermaster Depot, Jeffersonville, Indiana (Engineering Division)  
EFFECT OF OUTDOOR EXPOSURE ON THE PHYSICAL PROPERTIES OF BASE FABRICS OF TENTS, MOUNTAIN, TWO-MAN. (Report No. 207) 4 p. July 1945.
- A-325 Crossley, M.L.  
THE PROTECTION OF TEXTILES AND RELATED PRODUCTS FROM DAMAGE BY MOLDS, FUNGI, INSECTS AND FLAME. (U.S. Quartermaster Corps. Technical Intelligence Branch (European Theater)) U.S. Quartermaster Corps. Military Division. Research and Development Branch. Textile Series, Report 4; 21 p. March 1946.
- A-331 White, W. Lawrence, and Ralph G.H. Siu  
RESIN IMPREGNATION OF COTTON FABRICS FOR PREVENTION OF MICROBIOLOGICAL DECAY. (U.S. Quartermaster Corps. Military Planning Division. Research and Development Branch. Microbiological Series, Report 5; Textile Series Report 29) 7 p. June 1946.
- A-354 Yeager, Charles C.  
SIX MONTHS LIBERIAN EXPOSURE TEST OF COPPER 8 - QUINOLINOLATE TREATED COTTON DUCK. (Memorandum Report, Serial TSEAM-M5313) U.S. Air Materiel Command. Engineering Division. Materials Laboratory. 9 p. February 1947.
- A-423(1) Little, Emma F.  
SPECIFICITY OF MICROORGANISMS FOR MATERIALS. (U.S. Air Materiel Command. Engineering Division Materials Laboratory Memorandum Report Serial No. TSEAM-M5285) 9 p. September 1947.
- A-636 Shoemaker, T.L.  
LUMBER, INVESTIGATION OF PRESERVATIVE TREATMENT FOR; COMPARISON OF VARIOUS COPPER NAPHTHENATES AGAINST MARINE BORERS. (U.S. Naval Shipyard, Philadelphia, Pennsylvania. Industrial Test Laboratory Report 2098) 11 p. October 1948.
- A-663(1) Stahl, William H., Bernard McQue, Gabriel R. Mandels and H.G.H. Siu  
STUDIES ON THE MICROBIOLOGICAL DEGRADATION OF WOOL. I. SULFUR METABOLISM. (U.S. Quartermaster Depot, Philadelphia, Pennsylvania. General Laboratories. Biochemical Series, Report No. 2) 21 p. October 1948.
- A-824 Meloro, Francis A.  
FUNGAL RESISTANCE OF FIRE RESISTANCE-AND COPPER-TREATED COTTON DUCK. (U.S. Quartermaster Depot, Philadelphia, Pennsylvania. Chemicals and Plastics Laboratories. Fungicides sub-unit. Research Service Test Report C&P-79-F) 6 p. February 1950.
- A-825 Meloro, Francis A.  
FUNGAL RESISTANCE OF FUNGICIDALLY TREATED PRESSED FELT. (U.S. Quartermaster Depot, Philadelphia, Pennsylvania. Chemicals and Plastics Laboratories. Fungicides sub-unit. Research Service Test Report C&P-78-F) 3 p. February 1950.

- A-835 Little, E.F.  
THE EFFECT OF FUNGICIDAL TREATMENT ON THE FUNGUS RESISTANCE AND CORROSION OF VARIOUS TYPES OF METALLIC SLIDE FASTENERS ON COTTON AND NYLON TAPES, . . . (U.S. Air Materiel Command. Engineering Division. Materials Laboratory Memorandum Report, Serial No. MCREXD-666-23F) 4 p. November 1949.
- A-867 Little, E.F.  
THE FUNGUS RESISTANCE OF COTTON SEWING THREAD 40/3 O.D. VAT DYED, TREATED WITH COPPER-8-QUINOLINOLATE. (U.S. Air Materiel Command. Engineering Division. Materials Laboratory Test Report MCREXM-M5475) 6 p. June 1950.
- A-870 Little, E.F.  
THE FUNGUS RESISTANCE OF COTTON SEWING THREAD TREATED WITH COPPER-8-QUINOLINOLATE, . . . (U.S. Air Materiel Command. Engineering Division. Materials Laboratory Test Report MCREXM-M5475, Add. I) 7 p. July 1950.
- A-882 Harvey James V.  
A COMPARATIVE STUDY OF FUNGUS RESISTANCE TESTS FOR TEXTILES. (U.S. Quartermaster Depot, Philadelphia, Pennsylvania. Chemicals and Plastics Laboratories Research Service Test Report C&P-122-F) 110 p. June 1950. (Bibliography: p. 29-31)
- A-884 Gauvey, Mary P.  
FUNGUS RESISTANCE TEST ON WOVEN COTTON GLASS BRAIDED TUBING TREATED WITH CUNILATE 2137B and 2137D BY SCIENTIFIC OIL COMPOUNDING COMPANY, . . . (U.S. Air Materiel Command. Engineering Division. Electronic Subdivision Memorandum Report, Serial No. MCREE-49-28) 6 p. June 1949.
- A-888 Grubb, R., and S. Schneider  
REPORT OF OUTDOOR EXPOSURE TESTS CONDUCTED ON CANVAS, COTTON; FIRE, WATER, AND WEATHER RESISTANT, SUBMITTED BY VARIOUS EXHIBITORS, . . . (U.S. Naval Base, Philadelphia, Pennsylvania. Industrial Test Laboratory Report No. 6007) 26 p. June 1948.
- A-947 Little, E.F.  
THE FUNGUS RESISTANCE OF COTTON SEWING THREAD 12/4 O.D., VAT DYED, TREATED WITH SOLUBILIZED COPPER-8-QUINOLINOLATE. (U.S. Air Materiel Command. Engineering Division. Materials Laboratory Report No. MCREXM-T50-187) 3 p. October 1950.
- A-966 Little, E.F.  
A STUDY OF THE FUNGUS RESISTANCE OF COTTON THREAD 16/4 TREATED WITH VARIOUS PERCENTAGES OF SOLUBILIZED COPPER-8-QUINOLINOLATE. (U.S. Air Materiel Command. Engineering Division. Materials Laboratory Report No. MCREXM-T50-173) 6 p. November 1950.
- A-975 Harvey, James V.  
A COMPARATIVE STUDY OF FUNGAL-RESISTANCE TESTS IN SPECIFICATIONS INVOLVING COTTON GOODS. (U.S. Quartermaster Depot, Philadelphia, Pennsylvania. General Laboratories. Microbiology Series, Report 14) 40 p. April 1949.

- A-1169(2) Tehon, Leo R., and Sylvia Wolcyrz  
FUNGISTATIC CAPACITIES OF AROMATIC FLUORINE COMPOUNDS IN RE-  
LATION TO CLOTH-ROTTING FUNGI. II. FLUORINATED PHENOLS,  
NITROBENZENES, AND ANILINES. (U.S. Wright Air Development  
Center. U.S. Department of the Air Force. Technical Report  
6518, part 2) 58 p. August 1952.
- A-1169(3) Tehon, Leo Roy  
FUNGISTATIC CAPACITIES OF AROMATIC FLUORINE COMPOUNDS IN RE-  
LATION TO CLOTH-ROTTING FUNGI. III. FLUORINATED ANISOLES,  
BENZYL, BENZOIC ACIDS, BIPHENYLS, PHENOLS, AND TOLUENES.  
(U.S. Wright Air Development Center. U.S. Department of the  
Air Force. Technical Report 6518, part 3) 46 p. November 1952.
- A-1169(4) Tehon, Leo R.  
FUNGISTATIC CAPACITIES OF AROMATIC FLUORINE COMPOUNDS IN RE-  
LATION TO CLOTH-ROTTING FUNGI. IV. FLUORINATED PHENOLS,  
BENZYL ALCOHOL AND BIPHENYLS. (U.S. Wright Air Development  
Center. U.S. Department of the Air Force. Technical Report  
6518, part 4) 38 p. January 1954.
- A-1188 Manowitz, Milton, Dorothy Beck Daoust, and Francis A. Meloro  
MICROBIOLOGICAL EVALUATION OF VINYL COATED FABRICS BY INOCULA-  
TION AND SOIL BURIAL PROCEDURES. (U.S. Quartermaster Depot,  
Philadelphia, Pennsylvania. Research and Development Labora-  
tories. Chemicals and Plastics Division Research Service  
Test Report C&P-320-F) 14 p. January 1953.
- A-1243 Little, E.F.  
PROTECTION OF USAF FABRICS WITH FUNGICIDES. (U.S. Wright Air  
Development Center. Directorate of Research. Materials  
Laboratory Technical Note WCRTH 52-28; U.S. Armed Services  
Technical Information Agency. Air Technical Index No. 179495)  
19 p. September 1952.
- A-1293 Shapiro, Samuel, V.J. Bagdon and J. M. Ashcroft  
THE RECIPROCAL EFFECTS OF FUNGITOXICANTS AND WATER REPELLANTS  
ON FABRICS. (U.S. Engineer Center, Fort Belvoir, Va. Engineer  
Research and Development Laboratories. Report 1319) 25 p.  
September 1953.
- A-1315 Heitkamp, Richard R., William J. Dewar and Dudley D. Eichorn  
DEVELOPMENT OF AN IMPROVED FUNGICIDAL VINYL COATING FOR COTTON  
FABRIC. (U.S. Wright Air Development Center Technical Report  
53-474) 37 p. November 1953.
- A-1336 Ashcroft, Joseph M.  
MILDEW-PROOFING TREATMENTS FOR SANDBAGS. (U.S. Engineer Center,  
Ft. Belvoir, Va. Engineer Research and Development Laboratories  
Report 1217) 23 p. October 1951.
- A-1337 Hannan, Patrick J.  
NEW METHOD OF APPLYING COPPER 8-QUINOLINOLATE TO FABRICS. (U.S.  
Engineer Center, Ft. Belvoir, Va. Engineer Research and Develop-  
ment Laboratories Report 1346) 16 p. April 1954.



- A-1507 Ashcroft, J.M.  
EVALUATION OF ROT-RESISTANT TREATMENTS FOR ELASTOMER-COATED FABRICS. (U.S. Engineer Center, Ft. Belvoir, Va. Engineer Research and Development Laboratories Report 1412) 48 p. July 1955.
- A-1509 Hamilton, Earlane L.  
A COMPILATION OF DATA FROM EVALUATIONS OF THE FUNGUS RESISTANCE PROPERTIES OF AIR FORCE MATERIALS. (U.S. Wright Air Development Center, Wright-Patterson Air Force Base, Ohio. Technical Report 55-72) 53 p. April 1955.
- A-1512 U.S. Aberdeen Proving Ground, Md. Development and Proof Services  
ORDNANCE TECHNICAL INDEX OF ENVIRONMENTAL FACTORS. II. ENVIRONMENTAL FACTOR "HOT" (DRY DESERT, DUST ROOM, HOT ROOM). III. ENVIRONMENTAL FACTOR "TROPICAL" (HOT HUMID, JUNGLE, TROPICALIZATION CHAMBER INCLUDING FUNGUS TESTS). IV. ENVIRONMENTAL FACTOR "HIGH ALTITUDE". Revised 1953, 168 p.
- A-1628 Hamilton, Earlane L.  
INVESTIGATION OF SELECTED CHEMICALLY ALTERED COTTON MATERIALS. (U.S. Wright Air Development Center. Technical Report 55-508) 20 p. February 1956.
- A-1657 Hamilton, E.L.  
THE EFFECT OF ACCELERATED WEATHERING AND EXPOSURE TO FUNGI UPON AIRPLANE CLOTH ALTERED BY CYANOETHYLATION, MONSANTO CHEMICAL CO. (U.S. Wright Air Development Center. Directorate of Research, Materials Laboratory Report WCRT-H56-66) 5 p. April 1956.
- A-1750 Hochman, Harry  
CONTROL OF FUNGUS IN HOT LOCKERS. (U.S. Naval Civil Engineering Research and Evaluation Laboratory, Port Hueneme, Calif. Technical Note N-201) 6 p. October 1954.
- A-1778 Saylor, John C., Jr.  
WEATHERING RESISTANCE OF FUNGICIDAL VINYL COATED COTTON FABRICS. (U.S. Wright Air Development Center. Technical Report 56-252) 33 p. January 1957.
- A-1792 U.S. Quartermaster Corps. Quartermaster Research and Development Center, Natick, Mass.  
MINUTES OF FIFTH CONFERENCE ON PREVENTION OF MICROBIOLOGICAL DETERIORATION OF MILITARY MATERIEL, . . . 27 and 28 November 1956, 16 p.
- B-649 British Standards Institution, London  
CHEMICAL REQUIREMENTS FOR TEXTILES TREATED BY CERTAIN PRESERVATIVE PROCESSES. (British Standards Institution, London. British Standard 2087:1954) 38 p. 1954.

- C-840(1) Harris Research Laboratories, Washington, D. C.  
FUNDAMENTAL STUDY ON THE MECHANISM OF DEGRADATION OF TEXTILES.  
REPORT FOR PERIOD JULY 26, 1948 TO AUGUST 25, 1948:  
BEHAVIOR OF FABRICS EXPOSED UNDER FILTERS TO VARIOUS BANDS  
OF SOLAR RADIATION. (U.S. Quartermaster Corps. Contract  
W44-109-qm-2079, Report 1) 7 p. (n.d.)
- C-975(1) Nuodex Products Company, Inc., Elizabeth, N.J.  
ABSTRACT OF CERTAIN U.S. GOVERNMENT SPECIFICATIONS FOR TEXTILES  
AND TEXTILE PRODUCTS REQUIRING FUNGICIDES. 1st Revision  
January 1951, cover-title, 12 p.
- C-1007 United States Testing Company, Inc., Hoboken, N.J.  
MILDEW AND MILDEW CONTROL. (United States Testing Company Test-  
ing league bulletin M-48) 4 p. (n.d.)
- C-1008 United States Testing Company, Inc., Hoboken, N.J.  
MILDEW PROOFING EFFICIENCY TESTS. (United States Testing  
Company Testing league bulletin M-9) 3 p. (n.d.)
- C-1108 Witco Chemical Company, New York, N.Y.  
MILDEWPROOFING AGENTS; 8% COPPER NAPHTHENATE AND OTHER CHEMICALS  
WITH RESPECT TO GOVERNMENT SPECIFICATIONS. (Witco Chemical  
Company Technical Service Report P-17 A) 27 p. Rev. April  
1952.
- C-1147 Harris Research Laboratories, Washington, D. C.  
THE PROTECTION OF COTTON FABRICS BY G-4 AND COPPER COMPOUNDS  
AGAINST DETERIORATION AND MICROBIOLOGICAL ATTACK. (Unpublished  
Report of work sponsored by Sindar Corporation, New York, N.Y.)  
26 p. July 1952.
- C-1168 Monsanto Chemical Company, St. Louis, Mo.  
PROTECTION AGAINST ROT AND MILDEW WITH MILMER 1. Cover-title  
9 p. (n.d.)
- C-1177 Haas, Paul D., Joseph Kingston and O.F. Shobe  
DEVELOPMENT OF IMPROVED CONCENTRATED TYPES OF COMPOUND, TEXTILE  
PRESERVATIVE, FOR FIELD TREATMENT, DATED 9 JULY 1951, AND  
MODIFICATION NO. 1 DATED 30 APRIL 1952, FINAL REPORT (ON)  
CONTRACT NO. DA44-109-qm-561. . . (n.d.)
- C-1407 Glidden Company, Cleveland, Ohio  
RESEARCH ON COMPOUND, TEXTILE PRESERVATIVE FOR FIELD TREATMENT.  
PART I: SOLVENT TYPE, by Paul D. Haas and Carl Woost. PART II:  
EMULSION TYPE, by W.N. Clark and John Fafrak. (U.S. Quarter-  
master Corps. Contract DA44-109-qm-1416, final report) 78 p.  
July 1955.
- C-1483 Clark, William M., jr.  
CLOTH IMPREGNANT. (Glidden Company, Cleveland, Ohio) 6 p.  
November 1955.

- C-1549 Scientific Oil Compounding Company, Inc., Chicago, Ill.  
CUNILATE #2440 AND CUNILATE #2440-LIGHT. 1 p. (n.d.)
- C-1550 Scientific Oil Compounding Company, Inc., Chicago, Ill.  
CUNIMENE #2246. 1 p. (n.d.)
- C-1578 Fafrak, John, jr.  
COMPOUND, TEXTILE PRESERVATIVE, FOR FIELD TREATMENT WATER AND  
MILDEWPROOF, EMULSION TYPE, CLEAR. (Glidden Company, Cleveland,  
Ohio) 34 p. May 1956.
- C-1771 du Pont de Nemours (E.I.) and Company, Wilmington, Del. Textile  
Fibers Dept. Technical Service Section  
THE RESISTANCE OF "ORLON" TO INSECTS AND MICROORGANISMS. (Bul-  
letin OR-64) 2 p. July 1955.
- C-1773 du Pont de Nemours (E.I.) and Company, Wilmington, Del. Textile  
Fibers Dept. Technical Service Section  
THE RESISTANCE OF DU PONT NYLON TO INSECTS AND MICROORGANISMS.  
(Bulletin N-41) 2 p. July 1955.
- F-84 I.G. Farbenindustrie Aktiengesellschaft, Leverkusen Germany  
VERFAHREN ZUM SCHUTZEN VON TEXTILIEN, LEDER UND DERGL. GEGEN  
VERROTTUNG. (Tr.: Process for protecting textiles, leather  
etc., against rotting) (U.S. Office of technical services.  
Publication board series PB #33747. Frames 4664-4665) 2 p.  
March 1944.
- F-115 I.G. Farbenindustrie Aktiengesellschaft, Frankfurt, Germany  
KONSERVIERUNGSVERFAHREN. . . (Tr.: Preservation process)  
(U.S. Office of technical services. Publication board  
series PB #63514. Frames 644-646) 3 p. May 1944.
- F-121 I.G. Farbenindustrie Aktiengesellschaft, Frankfurt, Germany  
VERFAHREN ZUM SCHUTZEN VON CELLULOSE UND CELLULOSEHALTIGEN  
ERZEUGNISSEN GEGEN FAULNIS. . . (Tr.: Process for protecting  
cellulose and cellulose-containing products against rot)  
(U.S. Office of technical services. Publication board series  
PB #55204. Frames 4601-4603) 3 p. November 1944.
- F-122 I.G. Farbenindustrie Aktiengesellschaft, Frankfurt, Germany  
VERFAHREN ZUR ERHOHUNG DER WILDERSTANDSAHIGKEIT VON WOLLE UND  
WOLLHALTIGEN FASERMISCHUNGEN GEGEN DIE EINWIRKUNG VON MIKRO-  
ORGANISMEN. (Tr.: Increasing the resistance of wool and  
wool-containing fiber mixtures to the influence of micro-  
organisms) (U.S. Office of technical services. Publication  
board series PB #55090. Frames 4162-4165) 4 p. January 1944.

- F-179 I.G. Farbenindustrie Aktiengesellschaft, Leverkusen, Germany  
VERFAHREN ZUM SCHUTZEN VON WARENGEGEN SCHÄDLINGS. (Tr.: Process  
for protecting goods against pests) (U.S. Office of technical  
services. Publication board series PB #60233. Frames 4131-  
4132) 2 p. April 1943.
- F-423 Nopitsch, M.  
SCHÄDEN AN HALBWOLLSTOFFEN DURCH MIKROORGANISMEN. (Tr.: Damage  
of semi-woolen fabrics by microorganisms.) (Reprint Melliland  
Textilber. 28:233-237) 5 p. July 1947.
- F-438 Gralen, Nils  
MIKROORGANISMERS ANGREPP PA LIN- OOH HAMPGARN. (Tr.: Micro-  
organisms attacking flax and hamp) (U.S. Office of technical  
services. Publication board series PB #95859) (In Medd.  
Svenska Textilforskningsinst, Göteborg no. 4:3-12) 1947.
- F-473 Nopitsch, M.  
URSACHE UND BEKÄMPFUNG VON SCHIMMELBEFALL AUF TEXTILIEN. (Tr.:  
Causes and control of mildew on textiles) (In Melliland  
Textilber. 31:182-188) March 1950.
- F-496(1) Nopitsch, M.  
BAKTERIELLE SCHÄDEN AN TEXTILIEN UND IHRE VERHÜTUNG. (Tr.:  
Bacterial damage in textiles and its prevention) (Reprint  
Melliland Textilber. 31:619-627) September 1950.
- F-518 Rinoldi, Luigi  
SVILUPPO DI MUFFE SULLA LANA; CAUSE E RIMEDI. (Tr.: Development  
of molds on wool; causes and remedies) (Reprint Laniera 65:  
119,121,123) February 1951.
- F-527 Goldberg, A.A.  
LE DINAPHTYLMETHANE-DISULFONATE PHENYL MERCURIQUE (PENOTRANE),  
NOUVEAU PRODUIT SUB-STANTIF RESISTANT AU LAVAGE ET PROTEGEANT  
LES TISSUS CONTRE LES MOISSURES. (Tr.: Phenylmercuric  
dinaphthylmethane disulfonate (Penotrane, a new substantive  
wash-resistant product which protects fabrics against molds)  
(Reprint Chimie & Industrie 64(3):LI-LIII) Bibliography: 1. (3)  
(LIII) September 1950.
- F-548(1) Wegener, Walther  
UNTERSUCHUNGEN ÜBER DIE URSACHE DER ZERSTÖRUNG VON NATIVEN  
FASERSTOFFEN DURCH MIKROORGANISMEN. I. (Tr.: Investigations  
on the cause of degradation of active fibrous materials by  
microorganisms) (Reprint Melliland Textilber. 32:346-349)  
May 1951.
- F-599 Seidenberg, S.  
KORRELATION ZWISCHEN DER AFFINITÄT WASSERLOSLICHER SUBSTANZEN ZU  
WOLLE UND IHRER BAKTERIZIDEN WIRKSAMKEIT. (Tr.: Correlation of  
the affinity of water-soluble substances to wool and their  
bactericidal efficiency) (Reprint Experientia 6:192-193)  
1950.

- F-636(2) Kling, W.  
ZUR MORPHOLOGIE DER BAUMWOLLE. II: ÜBER DEN BAKTERIELLEN ABBAU DER BAUMWOLLFASER UND DIE BAUELEMENTE DER SEKUNDÄRWAND. (Tr.: The morphology of the cotton fiber. II. The bacterial decomposition of the cotton fiber and the structural elements of the secondary wall) (Reprint Melliand Textilber 33:32-37) January 1952.
- F-636(3) Kling, W.  
ZUR MORPHOLOGIE DER BAUMWOLLFASER. III: ELEKTRONENMIKROSKOPISCHE UNTERSUCHUNGEN AN FASERQUERSCHNITTEN. (Tr.: Morphology of the cotton fiber. III. Investigations of fiber cross sections by means of an electron microscope) (Reprint Melliand Textilber 33:328-331) 1952.
- F-700(2) Daehler, Hildegard  
MIKROORGANISMEN DER MENSCHLICHEN HAUT UND IHRE WIRKUNG AUF VERSCHIEDENE TEXTILFASERN. (Tr.: Microorganisms of the human skin and their effect on various textile fibres) (Reprint Melliand Textilber 33:997-1000) November 1952.
- F-709(1) Wegener, Walther  
MIKROBIELLE SCHADIGUNG AN LEINENGARNEN UND -GEWEBEN. (Tr.: Microbe damage to linen yarns and fabrics) (Reprint Melliand Textilber 34:12-16) January 1953.
- F-732 Nopitsch, M.  
BAKTERIEN ALS URSACHE VON TEXTILSCHADEN. (Tr.: Bacteria as the cause of textile damage) (Reprint Z. ges. Textil-Ind. 54:610, 613-616, 619) July 1952.
- F-752(1-2) Wegener, Walther  
MIKROBIELLE SCHADIGUNG AN GRÈGE. (Tr.: Microbial damage on raw silk) (Reprint Melliand Textilber 34:403-404; 494-499) May and June 1953.
- F-845(3) Ostertag, H.  
WERKSTOFFMIKROBIOLOGIE ZELLULOSEHALTIGER TEXTILIEN. (Tr.: Microbiology of cellulosic textiles) (Reprint Melliand Textilber 35:486-488) May 1954.
- F-866 Ostertag, H.  
CELLULOSEABBAUENDE MIKROORGANISMEN. (Tr.: Micro-organisms which decompose cellulose) (In Z. Hyg. und Infektionskrankh 133(6): 489-509) Bibliography: 1. (19-21) (507-509). 1952.
- F-914 Lieseberg, Friedrich  
VERHALTEN DER PCU-FASER GEGEN CHEMIKALIEN, VERRÖTUNGS-UND WITTERUNGSEINFLÜSSE, WASCHFLOTTEN UND REINIGUNGSBADER. (Tr.: Resistance of PCU (Polyvinyl Chloride) fibers to chemicals, rot, weathering, washing solutions, and cleaning baths) (In Textil-Praxis 9:650-656) July 1954.

- F-954 Ulrich, H.M.  
DER SCHUTZ DER TEXTILIEN GEGEN VERROTTUNG UND SCHIMMELBEFALL  
PRÜFMETHODEN. I. (Tr.: Protecting textiles against rotting  
and mildewing) (In Textil Praxis 10:187-189) February 1955.
- F-1002 Ulrich, H.M.  
DER SCHUTZ DER TEXTILIEN GEGEN VERROTTUNG UND SCHIMMELBEFALL;  
PRÜFMETHODEN (II). (Tr.: Protection of textiles against rot  
and mildew: Testing methods (II)) (In Textil-Praxis 10:278-  
281) March 1955.
- F-1023 Ulrich, H.M.  
DER SCHUTZ DER TEXTILIEN GEGEN VERROTTUNG UND SCHIMMELBEFALL,  
(III). (Tr.: Protection of textiles against rot and mildew,  
III) (In Textil-Praxis 10:366-370) April 1955.
- F-1153 Fukuda, Hironari  
STUDIES ON ANTISEPSIS OF FISHING YARNS. III. ANTISEPTIC TREAT-  
MENTS WITH CU-NAPHTHENATE AND OTHERS. (In Bull. Japan. Soc.  
Sci. Fisheries 20:288) 1954.
- F-1190 Ostertag, H.  
PRÜFUNG VON TEXTILIEN. BESTIMMUNG DER WIDERSTANDSFÄHIGKEIT ZEL-  
LULOSEHALTIGER TEXTILIEN GEGEN SCHÄDIGUNG DURCH MIKRO-  
ORGANISMEN. (Tr.: Proofing of textiles. Determination of the  
resistance of cellulosic textiles to damage by micro-organisms)  
(In Textil-Praxis 11:572-580) June 1956.
- F-1221 Ostertag, H.  
ERLAUTERUNGEN ZU DIN 53930 BIS 53935; PRÜFUNG VON TEXTILIEN  
BESTIMMUNG DER WIDERSTANDSFÄHIGKEIT ZELLULOSEHALTIGER TEXTILIEN  
GEGEN SCHÄDIGUNGEN DURCH MIKROORGANISMEN.) (Tr.: Testing of  
textiles. Determination of the resistance of cellulose-  
containing textiles to damage by micro-organisms (mildew and  
putrefactive bacteria)) (In Melliand Textilber 37:708-714)  
June 1956.
- G-4 Robinson, Helen M., and Margaret S. Furry  
EFFECTIVE MILDEW-RESISTANT TREATMENTS FOR COTTON FABRICS. (In  
Amer. Dyestuff Rptr. 30:504,520-524) 1941.
- G-5 Thom, Charles, Harry Humfeld and H.P. Holman  
LABORATORY TESTS FOR MILDEW RESISTANCE OF OUTDOOR COTTON FABRICS.  
(In Amer. Dyestuff Rptr. 23:581-586) October 1934.
- G-7 Greathouse, Glenn A., Dorothea Klemme and H.D. Barker  
DETERMINING THE DETERIORATION OF CELLULOSE: IMPROVEMENTS IN  
METHODS. (In Ind. Eng. Chem. (Anal. Ed.) 14:614-620)  
August 1942.
- G-8 Furry, Margaret S., Helen M. Robinson and Harry Humfeld  
MILDEW-RESISTANT TREATMENTS ON FABRICS. (In Ind. Eng. Chem.  
33:538-545) April 1941.

- G-9 Marsh, Paul B., Glenn A. Greathouse, Katharina Bollenbacher and Mary L. Butler  
 COPPER SOAPS AS ROT-PROOFING AGENTS ON FABRICS. (In Ind. Eng. Chem. 36:176-181) Bibliography: p. (6) (181). February 1944.
- G-32 Rogers, Ruth Estella (Elmquist), Helen G. Wheeler and Harry Humfeld  
 PHYSICAL AND CHEMICAL CHANGES PRODUCED IN BLEACHED COTTON DUCK BY CHAETOMIUM GLOBOSUM AND SPIROCHAETA CYTOPHAGA. (U.S. Dept. of Agriculture Technical Bulletin No. 726) 36p. 1940.
- G-35 Humfeld, Harry, Ruth E. Elmquist and James H. Kettering  
 THE STERILIZATION OF WOOL AND ITS EFFECT ON PHYSICAL AND CHEMICAL PROPERTIES OF A WOOL FABRIC. (U.S. Department of Agriculture. Technical bulletin No. 588) 27 p. 1937.
- G-42 Hock, Charles W., and Milton Harris  
 MILDEWPROOFING OF MILITARY FABRICS. (Textile Research Supplement No. 1) 6 pp. July 10, 1942.
- G-45 Jones, Christopher L.  
 PROOFING JUTE SANDBAGS AGAINST ROT AND LIGHT. (Reprint Textile Age 5(9):46,48,51-54) September 1941.
- G-114 Hock, Charles W.  
 MILDEWPROOFING OF MILITARY FABRICS. 5 p. (n.d.)
- G-115 U.S. Quartermaster Depot, Philadelphia, Pa.  
 FIELD TEST: MILDEWPROOFED FABRICS. 5 p. Unpublished report (type-written) 1944(?)
- G-163 American Society for Testing Materials, Philadelphia, Pa.  
 SYMPOSIUM ON MILDEW RESISTANCE: THE PROBLEM OF STANDARDIZING TEST METHODS FOR MILDEW AND ROT RESISTANT TREATMENTS OF TEXTILES, (By) Barker, H.D., G.A. Greathouse, and P.B. Marsh; EVALUATING FABRIC TREATMENT FOR MILDEW OR ROT RESISTANCE BY PURE CULTURE METHODS, (By) Greathouse, G.A., P.B. Marsh, and H.D. Barker; TESTING MILDEW RESISTANCE OF TREATED FABRICS BY THE SOIL-SUSPENSION METHOD, (By) Furry, Margaret S.; OBSERVATIONS ON SOIL-BURIAL PROCEDURES, (By) Elmer C. Bertolet. (Presented at meetings of Committee D-13, New York City, October 21, 1943; 36 p.)
- G-166 Levine, B.S., and F.P. Veitch  
 TESTING THE MILDEW RESISTANCE OF TEXTILES. (Reprint J. Ind. Eng. Chem. 12:139-145) 7 p. February 1920.
- G-171 St. George, R.A.  
 RESUME OF REPORT ON THE RESISTANCE OF TREATED FABRICS TO ATTACK BY TERMITES AND MICRO-ORGANISMS. (U.S. Dept. Agr. Bureau of Entomology and Plant Quarantine) 17 p. March 24, 1944.

- G-172 James, L.H.  
SANITIZATION OF TEXTILES - INVESTIGATION OF SELF-ANTISEPTIC AND SELF-STERILIZING EFFECTS OF TREATMENT. (Textile World 92: 86-87) 1942.
- G-172 James, L.H., and Ann C. Lundell  
SELF-ANTISEPTIC PROPERTIES IN CLOTHING. (Soap 19(3):93-97,116) 1943.
- G-178 James, L.H., and Ann C. Lundell  
TESTS REVEAL EFFECTIVE SANITIZATION OF FABRICS. (Hospital Management 65:94) June 1943; 66:92 July 1953))
- G-177 Bureau of Agricultural and Industrial Chemistry (J.D. Dean).  
(Confidential)  
LETTER TO CHIEF OF ENGINEERS, U.S. ARMY, ON SOIL BURIAL AND WEATHER EXPOSURE TEST RESULTS. (Agricultural Research Administration, U.S. Dept. Agr.) 4 pp. August 7, 1944.
- G-186 Hirschmann, Doris J., and Helen M. Robinson  
TESTING IMPREGNATED FABRICS FOR ANTIBACTERIAL PROPERTIES. (Soap and Sanitary Chemicals 17:94-95,97,99,101,103,119) 1941.
- G-188 Klemme, Dorothea F.  
STUDY OF OXYGEN ABSORPTION AND CATALASE PRODUCTION DURING GROWTH OF CHAETOMIUM GLOBOSUM ON COTTON FIBER AND YARN. (Jour. Bact. 43(2):171-180) 1942.
- G-217 Shiraeff, D.A.  
DETERMINATION OF MERCURY IN TEXTILES MILDEWPROOFED WITH ORGANOMERCURIC COMPOUND. (In Am. Dyestuff Reprtr. 33:310,315) 1944.
- G-219 Prindle, Bryce  
MICROBIOLOGY OF TEXTILE FIBRES - V: METHOD FOR THE GENERAL HISTOLOGICAL EXAMINATION OF NORMAL OR MILDEWED COTTON FIBRES. (Tex. Res. 6:481-487) 1936.
- G-220 Prindle, Bryce  
THE MICROBIOLOGY OF TEXTILE FIBRES. III. RAW COTTON. IV. RAW WOOL. (Reprint Textile Research 5:542-568; 6:23-43) Bibliography: p. (44-47) (40-43) 47 p. 1935.
- G-221 Prindle, Bryce  
MICROBIOLOGY OF TEXTILE FIBRES - PART I: STUDY OF LITERATURE; DEVELOPMENT OF METHODS; QUALITATIVE RESULTS. (Tex. Res. 3:475-578) 1933.
- G-231 U.S. Office of Scientific Research and Development. National Defense Research Committee. Tropical Deterioration Administrative Committee  
FUNGUS-PROOFING OF TEXTILES AND CORDAGE FOR USE IN TROPICAL SERVICE, prepared by Leland Shanor and the Subcommittee on Textiles and Cordage. (U.S. Office of scientific research and development. Report no. 4513; U.S. Office of technical services. Publication board series PB #34752) 58 p. January 1945.



- G-311 Borlaug, N.E.  
RESISTANCE OF VARIOUS TEXTILE FIBERS TO MILDEW. (Reprint Rayon Textile Monthly 24:416-418; 475-476) August/September 1943.
- G-312 Barghoorn, Elso S.  
STUDIES ON THE DETERIORATION OF TEXTILES UNDER TROPICAL CONDITIONS IN THE CANAL ZONE. (U.S. Office of scientific research and development. Report 4807; U.S. Office of technical services. Publication board series PB #11966) 28 p. April 1945.
- G-315 Bayley, C.H., Muriel W. Weatherburn  
OBSERVATIONS ON THE GROWTH OF SOME COPPER-TOLERANT FUNGI ON COTTON FABRICS. (In Am. Dyestuff Reprtr. 34:247-248) 2 p. June 1945. (National Research Council, Canada. NRC Publication no. 1273)
- G-322 Anonymous  
NEW PROCESS PREVENTS MILDEW ATTACKING TEXTILES. (Textile Colorist 66(782):61-62) 1944.
- G-341 Weston, William H.  
PROBLEMS IN THE NATURE AND CONTROL OF TROPICAL DETERIORATION. (In Am. Dyestuff Reprtr. 34(5):91-93) February 1945.
- G-342 Wakeham, Helmut, Winston B. Strickland and Evald L. Skau  
WATER REPELLENCY OF TEXTILE FABRICS. (Amer. Dyestuff Rptr. 34:178-182) 1945.
- G-345 Barail, Louis C.  
SUGGESTED METHOD FOR THOROUGH TESTING OF ANTISEPTIC FABRICS. (Amer. Dyestuff Rptr. 33:529-536) 1944.
- G-389 Anonymous  
NEW FLAME RESISTANT, MILDEW-PROOF, WATER-PROOF TEXTILE FINISH. (Rayon Textile Monthly 25:535) 1944.
- G-417 Klemme, Dorothea E., Glenn A. Greathouse, Katharina Bollenbacher and Seth Pope  
THE DETERIORATION OF COTTON FABRIC BY CERTAIN MICRO-ORGANISMS. (U.S. Dept. of Agriculture. Circular 737) 11 p. September 1945.
- G-426 Inter-society Council for Textile Research  
CONFERENCE ON QUARTERMASTER TEXTILE RESEARCH. PAPERS DELIVERED AT THE CONFERENCE HELD UNDER THE AUSPICES OF THE OFFICE OF THE QUARTERMASTER GENERAL AND THE NATIONAL ACADEMY OF SCIENCES. . . October 25, 1945. New York, Textile Research Institute, December 1945; 61 p.
- G-433 The Johnson Foundation for Medical Physics, Philadelphia, Pa.  
STUDIES ON PURE CULTURE METHODS OF TESTING FUNGUS DETERIORATION OF TEXTILES. (U.S. Office of scientific research and development. Report no. 5689; National Defense Research Committee. Contract OEM sr-205) 91 p. October 1945.

- G-440 Marsh, Paul B., Glenn A. Greathouse, Mary L. Butler, Katharina Bollenbacher  
TESTING FABRICS FOR RESISTANCE TO MILDEW AND ROT. (U.S. Dept. of Agriculture. Technical Bulletin 892) 22 p. June 1945.
- G-469 Lee, William M.  
THE QUARTERMASTER FIGHTS THE WEATHER . . . (In Am. Dyestuff Reprtr. 35:P72-P76) 5 p. February 1946.
- G-486 Neish, A.C., G.A. Ledingham and A.G. Mackey  
DIMETHYLGLYOXIME-COPPER TREATMENT FOR ROTPROOFING FABRICS. . . (Reprint Can. J. Research F, 23:198-201) (National Research Council, Canada. NRC Publication No. 1280) May 1945.
- G-498(1) U.S. National Bureau of Standards (A.T. McPherson)  
SUMMARY OF PROGRESS ON PREVENTION OF DETERIORATION IN ORGANIC AND FIBROUS MATERIALS. (Its Technical Report to Prevention of Deterioration Center, National Research Council . . . for the Quarter Jan. 1 to March 31) April 1946.
- G-526 St. George, Raymond Alexander and Margaret S. Furry  
THE RESISTANCE OF TREATED COTTON FABRICS TO ATTACK BY TERMITES AND MICRO-ORGANISMS. . . (Reprint Am. Dyestuff Reprtr. 35:207-210) April 1946.
- G-573 American Association of Textile Chemists and Colorists. Research Committee (Dr. H. D. Barker)  
MILDEW AND ROT RESISTANCE OF TEXTILES AND EFFECTIVENESS OF TEXTILE FUNGICIDES; TENTATIVE METHOD. (Reprint Am. Dyestuff Reprtr. 35:P274-P276) June 1946. Third Revision: April 4, 1946.
- G-574 Hopley M., and J.R. F. Jackson  
PROOFING TEXTILES AGAINST ROT, MOULD AND MILDEW. (Reprint Textile Recorder 63(749):41-42,59) August 1945.
- G-600 Borghetty, Hector C.  
MILDEWPROOFING OF CELLULOSIC FIBERS. (In Rayon Textile Monthly 26:479-481) 3 p. September 1945.
- G-618 Morris, Leslie Ewart  
MILDEW IN COTTON GOODS: ANTISEPTICS AND THE GROWTH OF MOULD FUNGI ON SIZING AND FINISHING MATERIALS. (Reprint J. Textile Inst. 18:T99-T127) 30 p. 1927.
- G-652 Bayley, C.H.  
THE EFFECT OF WEATHERING ON COTTON FABRIC CONTAINING CERTAIN COPPER ROTPROOFERS. (Reprint Can. J. Research F, 24:193-202) (National Research Council, Canada. NRC Publication No. 1384) 10 p. May 1946.

- G-653 Zuck, Robert K.  
DAMAGE ON FUNGAL TO SUN-EXPOSED COTTON DUCK. (Reprint Am. J. Botany 33(5):374-382) 10 p. May 1946.
- G-659 Romano, Frank R.  
THE EFFECT OF NITROGEN ON THE GROWTH OF CHAETOMIUM GLOBOSUM ON COTTON CANVAS. (In Am. Dyestuff Reprtr. 35:363-364,375-376) 4 p. July 1946.
- G-683 Nopitsch, M.  
WOLLSCHADIGUNG DURCH MIKROORGANISMEN (EIN METHODENVERGLEICH). (Tr.: Damaging of wool by micro-organisms (a comparison of methods) (Reprint Melliand Textilber 25:207-209; 243-246; 276-282) 14 p. 1944.
- G-810 Furry, Margaret S.  
SOME NATURAL DYES GIVE LONG LIFE TO COTTON FABRIC. . . (Reprint Rayon Textile Monthly 26:603-606) 3 p. November 1945.
- G-899 Race, E., F.M. Rowe and John B. Speakman  
THE DYEING OF COTTON WITH MINERAL KHAKI. PART VII. THE FUNGICIDAL AND BACTERICIDAL EFFICIENCIES OF COTTON YARN TREATED BY VARIOUS MINERAL KHAKI PROCESSES. (In Soc. Dyers Colourists, J. 61:310-321) December 1945.
- G-931 Goldthwait, Charles F., James McLaren and Samuel T. Voorhies, Jr.  
ACETYLATED COTTON HIGHLY RESISTANT TO ROTTING. (Reprint Textile World 96(2):115-117,212,216) February 1946.
- G-966 Hooper, Florence E.  
DISINTEGRATION OF THE CELL MEMBRANE OF THE COTTON FIBER BY A PURE CULTURE OF BACTERIA. (Reprint Boyce Thompson Inst., Contribs. 10:267-275) April/June 1939.
- G-981 Block, S.S.  
MOLD AND MILDEW CONTROL FOR INDUSTRY AND THE HOME. . . (Florida University. College of Engineering. Engineering and Industrial experiment station. Bulletin no. 12) Bibliography: p. 49-50. November 1946.
- G-1057 Binns, C.  
THE BACTERIAL DEGRADATION OF WOOLLEN FELTS. (In Paper Makers' Assoc. Gt. Brit. & Ireland, Tech. Sect., Proc. 25:280-285) 1944.
- G-1131 Wagner, R.P., Harold H. Webber and Ralph G.H. Siu  
THE EFFECT OF ULTRAVIOLET LIGHT ON COTTON CELLULOSE AND ITS INFLUENCE ON SUBSEQUENT DEGRADATION BY MICROORGANISMS. (Reprint Arch. Biochem. 12:35-50) January 1947.

- G-1207 Goodavage, Joseph E.  
MILDEWPROOFED COTTON FABRICS. . . (Reprint Am. Dyestuff Repr.  
32:P265-P270) 6 p. June 1943.
- G-1214 Jarrell, T.D., L.S. Stuart and H.P. Holman  
MILDEWPROOFING KHAKI AND OTHER MINERAL DYED COTTON DUCK WITH  
COPPER COMPOUNDS. (In Am. Dyestuff Repr. 26:495-500,519-523)  
August 1937.
- G-1231 White, William Lawrence  
DETERIORATION OF QUARTERMASTER FABRICS IN THE TROPICS. (Reprint  
Quartermaster Rev. 26(3):16-17,63,64-67) November/December  
1946.
- G-1263 Bayley, C.H., and Muriel W. Weatherburn  
THE EFFECT OF WEATHERING ON VARIOUS ROT-PROOFING TREATMENTS  
APPLIED TO COTTON TENTAGE DUCK. (National Research Council,  
Canada. NRC Publication 1492) (Reprint Can. J. Research F,  
25:92-109) January 1947.
- G-1311 Reese, Elwyn T.  
ON THE EFFECT OF AERATION AND NUTRITION ON CELLULOSE DECOMPOSITION  
BY CERTAIN BACTERIA. (Reprint J. Bact. 53:389-400) April  
1947.
- G-1387 Shah, Narhari H.  
ATTACK BY TERMITES, MICRO-ORGANISMS AND FUNGUS ON COTTON FIBRES.  
(In Indian Textile J. 57:241-250) December 1946.
- G-1423 Aceta, G.m.b.H., Berlin, Germany  
VERFAHREN ZUM SCHUTZEN VON ERZEUGNISSEN AUS PROTEINSTOFFEN ODER  
DEREN UMWANGLUNGSPRODUKTEN GEGEN KLEINLEBEWESSEN. (Tr.: Process  
for protection of products of protein substances or their  
transformation products against micro-organisms) (U.S. Office  
of technical services. Publication board series PB #62981)  
9 p. January 1935.
- G-1446 U.S. Department of the Navy. Medical Research Unit No. 1,  
Berkeley, Calif. Research Staff.  
AN IMPROVED METHOD FOR QUANTITATIVE IMPREGNATION OF TEXTILES  
WITH GERMICIDAL EMULSIFIABLE OILS. (Reprint Science 104:60-61)  
July 1946.
- G-1449 Illman, W.I., and Muriel W. Weatherburn  
FACTORS AFFECTING THE DEVELOPMENT OF MOULD ON COTTON FABRICS  
AND RELATED MATERIALS. (In Am. Dyestuff Repr. 36:343-344,  
369-372) June 1947.
- G-1455 Race, E.  
PROBLEMS IN THE MICROBIOLOGY OF PROTEIN FIBRES. (In Soc. Dyers  
Colourists, Fibrous Proteins Symposium, p. 67-85) 1946.

- G-1472      **Siu, Ralph G.H.**  
FUNDAMENTAL ASPECTS OF THE PREVENTION OF THE MICROBIOLOGICAL  
DEGRADATION OF COTTON TEXTILES. (Reprint Am. Dyestuff Repr.  
36:P320-P322) June 1947.
- G-2199(1)    **Wallace, Everett L.**  
FUNGUS PROOFING TREATMENTS FOR QUARTERMASTER ITEMS. . . (U.S.  
Quartermaster Corps. Military Planning Division. Research  
and Development Branch. Q.M. Project No. C-39-32-02, Quarterly  
Report for the period September 22, 1947 to December 24, 1947)  
3 p. December 1947.
- G-3611(1-2) **Basu, S.N.**  
FUNGAL DECOMPOSITION OF JUTE FIBRE AND CELLULOSE. PART I: A PRE-  
LIMINARY SURVEY OF COMMONLY OCCURRING SPECIES; PART II: THE  
EFFECT OF SOME ENVIRONMENTAL FACTORS. (Reprint Textile Inst.,  
J. 39:T232-T248) July 1948.
- G-3611(3)    **Basu, S.N., and S.N. Ghose**  
FUNGAL DECOMPOSITION OF JUTE FIBRE AND CELLULOSE. PART III. THE  
DECOMPOSITION OF CELLULOSE AS INFLUENCED BY ITS PHYSICAL  
STATE AND BY ASSOCIATED SUBSTANCES. (In J. Textile Inst. 43:  
T278-T289) Bibliography: p. (12) (T289) 12 p. June 1952.
- G-3611(4)    **Basu, S.N., and S.N. Ghose**  
FUNGAL DECOMPOSITION OF JUTE FIBRE AND CELLULOSE. PART IV. THE  
ACTION OF SOME PHYSICAL AND CHEMICAL AGENCIES ON SUBSEQUENT  
FUNGAL DECOMPOSITION OF JUTE. (In J. Textile Inst. 43:T355-T361)  
Bibliography: p. (7) (T361) 7 p. August 1952.
- G-4567      **Greathouse, Glenn A.**  
MICROBIOLOGICAL DEGRADATION OF CELLULOSE. (Reprint Textile Re-  
search Journal 20:227-238) April 1950.
- G-5227      **Abrams, Edward**  
MICROBIOLOGICAL DETERIORATION OF CELLULOSE DURING THE FIRST 72  
HOURS OF ATTACK. (In Textile Research J. 20:71-86) February  
1950.
- G-5256      **India. Technical Development Establishment Laboratory (Stores),  
Kanpur**  
DETERIORATION OF TENTAGE IN INDIA: PART V. RESISTANCE TO WEATHER-  
ING OF INDIAN TENTAGE DYED DIFFERENTLY TO SCAMIC 207 SHADE  
AND TREATED WITH COPPER ROSINATE. (Technical Report BIO/49/73)  
17 p. November 1949.
- G-5504      **Hungate, R.E.**  
THE ANAEROBIC MESOPHILIC CELLULOLYTIC BACTERIA. (Reprint Bact.  
Revs. 14:1-49) March 1950.

- G-5505 Wessel, C.J.  
INTRODUCTION TO THE PREVENTION OF DETERIORATION OF MATERIALS.  
SECTION II: MATERIALS AND THEIR PRESERVATION. CHAPTER 8:  
TEXTILES AND CORDAGE. (National Research Council. Prevention  
of Deterioration Center) 79 p. April 1950.
- G-5519 Siu, Ralph G.H.  
MECHANISMS OF MICROBIOLOGICAL DECOMPOSITION OF CELLULOSE. (In  
Textile Research J. 20:281-288) May 1950.
- G-5621 Levinson, Hillel S., and Elwyn T. Reese  
ENZYMATIC HYDROLYSIS OF SOLUBLE CELLULOSE DERIVATIVES AS MEASURED  
BY CHANGES IN VISCOSITY. (Reprint J. Gen. Physiol. 33:601-628)  
May 1950.
- G-5714 Siu, Ralph G.H., and G.R. Mandels  
RAPID METHOD FOR DETERMINING MILDEW SUSCEPTIBILITY OF MATERIALS  
AND DISINFECTING ACTIVITY OF COMPOUNDS. (In Textile Research  
J. 20:516-518) July 1950.
- G-5791 Bayley, C.H.  
METHODS USED IN THE BRITISH COMMONWEALTH FOR MEASURING THE  
MICROBIOLOGICAL DETERIORATION OF ORGANIC SUBSTANCES AND FOR  
EVALUATING PRESERVATIVES. (Presented at Gordon Research Con-  
ference on the Microbiological Deterioration of Organic Sub-  
stances and its prevention, New Hampton, N.H., July 3 - Aug.  
4, 1950) 19 p. July 1950.
- G-5828 Hindson, W.R.  
ROTPROOFING OF TENTS (Australia. Dept. of Supply and Development.  
Defense Research Laboratories. Information Sheet S.1) (In  
Textile J. Austral. 24:820) November 1949.
- G-5834 Ezeziel, Walter N.  
PROBLEMS IN FUNGUS AND MOISTURE DETERIORATION. (Reprint Elec. Mfg.  
45(3):78-85,178,180,182,184,186,188,190) March 1950.
- G-5875 Stahl, William H., Bernard McQue, Gabriel Mandels and Ralph G.H.  
Siu  
STUDIES ON THE MICROBIOLOGICAL DEGRADATION OF WOOL. DIGESTION OF  
NORMAL AND MODIFIED FIBRILLAR PROTEINS. (Reprint Textile Re-  
search J. 20:570-579) August 1950.
- G-5929 Sen Gupta, S.R., B.B.L. Saxena and A.N. Mukerjee  
A METHOD FOR THE DETERMINATION OF CELLULOSE DESTROYING INDICES OF  
BACTERIA. (In Indian Acad. Sci., Proc. 30B:57-60) July 1949.
- G-5932 White, W. Lawrence, C.C. Yeager and Helen Shotts  
HISTORY, DISTRIBUTION AND ECONOMIC SIGNIFICANCE OF THE CELLULOSE-  
DESTROYING FUNGUS MEMNONIELLA ECHINATA. (Reprint Farlowia 3:  
399-423) Bibliography: p. (24-25) (422-423) 25 p. July 1949.

- G-5990 ROT-PROOFING OF TEXTILES; RECENT RESEARCHES WITH FUNGICIDAL TREATMENTS. (Reprint Textile Mercury and Argus 121:1087) 1 p. December 1949.
- G-6058 Goldsmith, Margaret Towell  
ENZYMATIC DIGESTION OF PROTEIN FIBERS. (In Textile Research J. 20:613-616) Bibliography: p. (4) (816) 4 p. September 1950.
- G-6070 STOP THAT ROT. MILMER 1, A MONSANTO MILDEW-PROOFING AGENT, IN HIGHLY SUCCESSFUL NEW FORMULAS PREVENTS WASTE FROM ROT. (In Monsanto Mag. 29(3):4-7) 4 p. 1950.
- G-6147 Basu, S.N., and S.N. Ghose  
FUNGI GROWING ON JUTE. (Reprint J. Sci. Ind. Research (India) 9B (6):151-156) Bibliography: 1. (6) (156) 1950.
- G-6148 Sen Gupta, S.R., S.S. Nigam and R.N. Tandan  
A NEW WOOL-DESTROYING FUNGUS: CTENOMYCES SPECIES. (In Textile Research J. 20:671-675) Bibliography: p. (5) (675) October 1950.
- G-6233(1) Haller, Raymond and Brown, Inc., State College, Pa.  
PHYSICAL AND CHEMICAL PROPERTIES OF QUARTERMASTER FUNGICIDE COMPOUNDS. SOLUBILITY OF PENTACHLOROPHENOL IN WATER. (U.S. Quartermaster Corps. Contract DA44-109-qm-268) Bibliography: 1. 12. November 1950.
- G-6333 AUSTRALIAN RESEARCH ON FUNGICIDES FOR TEXTILES AND OTHER MATERIALS. (Reprint Mfg. Chemist 21:291-293) 3 p. July 1950.
- G-6547 Davidsohn, A.  
MANUFACTURE AND APPLICATION OF COPPER NAPHTHENATE. (Reprint Ind. Chemist 26:385-389) Bibliography: 1. (5) (389) September 1950.
- G-6653 Marsh, Paul B., L.R. Guthrie, Katharina Bollenbacher and D.C. Harrell  
OBSERVATIONS ON MICROBIOLOGICAL DETERIORATION OF COTTON FIBER DURING THE PERIOD OF BOLL OPENING IN 1949. (Reprint Plant Disease Repr. 34:165-175) Bibliography: p. (10-11) (174-175) 11 p. June 1950.
- G-6687 Rees, Elwyn T., and Mary H. Downing  
ACTIVITY OF THE ASPERGILLI ON CELLULOSE, CELLULOSE DERIVATIVES, AND WOOL. (In Mycologia 43:16-28) Bibliography: p. (12-13) (27-28) 13 p. 1951.
- G-6767 Monorieff, Robert Wighton  
RESEARCH INTO ROTTING OF TEXTILE FIBRES. (Reprint Skinner's Silk & Rayon Record 25:118,121,125) 3 p. January 1951.

- G-6815            Chesters, C.G.C.  
MILDEWS OF TEXTILES AND RELATED MATERIALS. (Reprint Research  
4:102-107) Bibliography: 1. (5-6) (106-107) March 1951.
- G-6905            National Research Council. Prevention of Deterioration Center.  
PROCEEDINGS: CONFERENCE ON THE PRESENT STATUS OF RESEARCH AND  
DEVELOPMENT ON FUNGICIDES. 20 p. 1951.
- G-6979            Prince, Alton E.  
THE CONTROL OF FUNGI IN AIR FORCE MATERIALS. (In Technical Data  
Digest 16(7):4-8) Bibliography: p. (5) (8). July 1951.
- G-6990            Basu, S.N., and J.P. Bhattacharyya  
MILDEW OF COMPLEX VEGETABLE FIBRES. (Reprint J. Sci. Ind. Research  
(India) 10B(4):91-93) 1951.
- G-7151            Marsh, Paul B., L.R. Guthrie and Mary L. Butler  
THE INFLUENCE OF WEATHERING AND OF MICRO-ORGANISMS ON THE AQUEOUS-  
EXTRACT pH OF COTTON FIBER. (In Textile Research J. 21:565-  
579) Bibliography: p. (15) (579) August 1951.
- G-7191            Dean, James D.  
CHEMICAL TREATMENT GIVES COTTON HIGH RESISTANCE TO ROT AND HEAT.  
(U.S. Agricultural Research Administration, Research Achievement  
Sheet No. 136 (C)) 2 p. June 1951.
- G-7231            Basu, S.N., A.P. Bhattacharyya and R.G. Bose  
A MULTIPLE CULTURE TECHNIQUE FOR TESTING ROT-RESISTANCE, PARTICULARLY  
SUITED TO JUTE MATERIALS. (Reprint J. Textile Inst. 41:T466-  
T480) Bibliography: 1. (14-15) (T479-T480). December 1950.
- G-7254            Bodea, C., and P.L. Muresanu  
STIMULATING ACTION OF p-AMINOBENZOIC ACID ON THE BIOCHEMICAL DE-  
COMPOSITION OF CELLULOSE. (In Textile Research J. 19:761-762)  
Bul. soc. stiinte Cluj 10, 137-41 (1948) (In French) . . .  
November 1949.
- G-7322            Abrams, Edward  
APPARENT MILDEW-RESISTANCE OF WEATHERED COTTON DUCK. (In Textile  
Research J. 21:714-720) Bibliography: p.(7) (720) October 1951.
- G-7540            Goldthwait, Charles F., Edmund M. Buras, jr., and Albert S. Cooper  
CHEMICAL SUBSTITUTION IN FIBROUS COTTON AND RESISTANCE OF SUB-  
STITUTED COTTON TO MICROBIOLOGICAL DETERIORATION. (Reprint  
Textile Research J. 21:831-840) Bibliography: p. (9-10) (839-  
840) November 1951
- G-7585            Mahal, Gurbax Singh and Robert H. Burns  
WEATHERING OF WOOL. (Reprint Natl. Wool Grower 41(4):12-13,31-32)  
Bibliography: 1 (4) (32) April 1951.



- G-7609            Heyn, A.N.J.  
STUDIES ON THE MICROBIOLOGICAL RETTING PROCESS FOR THE  
PREPARATION OF A HARD FIBER, AND INFLUENCE OF THIS PRO-  
CESS ON THE FIBER PROPERTIES. Amsterdam, North-Holland  
Publishing Co., 1951. (Verhandel. Koninkl. Nederland.  
Akad. Wetenschap., Afdel. Natuurk, Sect. II, vol. 48,  
no. 1) Bibliography: p. 53-59. 59 p. 1951.
- G-7633            Honold, Edith, Janice M. Poynot and Alva F. Cucullu  
HEAT-RESISTANCE OF PARTIALLY ACETYLATED COTTON FABRICS. (In  
Textile Research J. 22:25-29) Bibliography: p. 5 29  
January 1952.
- G-7748            Blum, Robert and William H. Stahl  
ENZYMIC DEGRADATION OF CELLULOSE FIBERS (In Textile Research J.  
22:178-192) Bibliography: p. 15-16) (191-192) 15 p. March  
1952.
- G-7764            Von Coehde, H.L.  
COPPER AS A TEXTILE FIBER PRESERVATIVE. (In Am. Dyestuff Repr.  
41:164-179) Bibliography: p. (2) (179) March 1952
- G-7811            RESISTANCE TO MICRO-ORGANISMS IN CORDAGE. (Reprint Cordage World  
32(374):13-16) December 1950.
- G-8234            Bayley, C.H.  
THE EFFECT OF MICRO-ORGANISMS AND OF WEATHERING ON COTTON TEXTILES.  
(Reprint Can. Textile J. 69(9):59-62) April 1952.
- G-8235            Coke, C.E.  
THE EFFECTS OF MICRO-ORGANISMS AND WEATHERING ON MAN-MADE FIBRES.  
(Reprint Can. Textile J. 69(9):53-54, 57-58) Bibliography: 1  
(4) (58) April 1952.
- G-8243            Farrow, Wendall, M.  
A STUDY OF CHAETOMIUM IN CELLULOSE DECAY. (Reprint Proc. Iowa  
Acad. Sci. 58:101-106) Bibliography: 1 (5-6) (105-106) 1951.
- G-8274            Bose, R.G.  
A COMPARATIVE STUDY OF THE MICROBIOLOGICAL DECOMPOSITION OF SOME  
CELLULOSIC FIBRES. (Reprint Science and Culture 17:435-436)  
April 1952.
- G-8297            Chatterjee, H.  
ROTPROOFING JUTE TEXTILES. (Reprint Textile Mfr. 78:228-231)  
Bibliography: 1(4) (231) May 1952.
- G-8354            Burnthall, E.V.  
THE MICROBIOLOGICAL DEGRADATION OF WOOL. (Reprint Can. Textile  
J. 69(10):62-64, 67) Bibliography: 1 (3-4) (64, 67) May 1952.

- G-8377 Reese, Elwyn T., William Gilligan and Birgitte Norkrans  
EFFECT OF CELLOBIOSE ON THE ENZYMATIC HYDROLYSIS OF CELLULOSE AND  
ITS DERIVATIVES. (In *Physiol. Plantarum* 5:379-390) Biblio-  
graphy: p. (12) (390) 12 p. 1952.
- G-8379 Satlkin, A.V., and M.B. Kublanova  
EFFECT OF ADDITIONS OF SURFACE ACTIVE SUBSTANCES ON BASIC PROP-  
ERTIES OF CEMENT MORTARS AND CONCRETES. (Reprint *J. Applied*  
*Chem.* (U.S.S.R.) 23:1087-1096) 1950.
- G-8559(2) Schmidt, E.L. (Minnesota. University. Dept. of Bacteriology and  
Immunology)  
THE MICROBIOLOGY OF CELLULOSE DECOMPOSITION UNDER THE CONDITIONS  
OF SOIL BURIAL TESTS FOR FABRIC DEGRADATION. (Quarterly rept.  
no. 2; U.S. Quartermaster Corps. Contract DA44-109-qm-1015,  
Sept. 16-Dec. 15) 8 p. December 1952.
- G-8559(3) Schmidt, E.L. (Minnesota. University. Dept. of Bacteriology and  
Immunology)  
THE MICROBIOLOGY OF CELLULOSE DECOMPOSITION UNDER THE CONDITIONS  
OF SOIL BURIAL TESTS FOR FABRIC DEGRADATION. (Quarterly rept.  
no. 3; U.S. Quartermaster Corps. Contract DA44-109-qm-1015)  
12 p. April 1952.
- G-8559(4) Schmidt, E.L. (Minnesota. University. Dept. of Bacteriology and  
Immunology)  
THE MICROBIOLOGY OF CELLULOSE DECOMPOSITION UNDER THE CONDITIONS  
OF SOIL BURIAL TESTS FOR FABRIC DEGRADATION. (Annual rept.  
on The microbiology of cellulose decomposition . . . U.S.  
Quartermaster Corps. Contract DA44-109-qm-1015, 15 June  
1952- 15 June 1953) 21 p. July 1953.
- G-8559(5-6) Schmidt, E.L. (Minnesota. University. Dept. of Bacteriology and  
Immunology)  
THE MICROBIOLOGY OF CELLULOSE DECOMPOSITION UNDER THE CONDITIONS  
FOR SOIL BURIAL TESTS FOR FABRIC DEGRADATION. (Quarterly repts.  
5 and 6; U.S. Quartermaster Corps. Contract DA 44-109-qm-1015,  
15 June - 31 Dec. 1953) 20 p. February 1954.
- G-8559(7-8) Schmidt, E.L. (Minnesota. University. Dept. of Bacteriology and  
Immunology)  
THE MICROBIOLOGY OF CELLULOSE DECOMPOSITION UNDER THE CONDITIONS  
FOR SOIL BURIAL TESTS FOR FABRIC DEGRADATION. (Quarterly repts.  
7 and 8; U.S. Quartermaster Corps. Contract DA44-109-qm-1015,  
1 Jan. to 30 June) 18 p. July 1954.
- G-8570 THE BATTLE AGAINST DECAY. (In *Fortune* 47(2):148-149,168,170,  
173-174) 6 p. February 1953.
- G-8630 Leatherland, Larry C.  
BETTER FABRICS FOR THE FUTURE. (In *Sattelle Tech. Rev.* 2(2):  
14-18) 5 p. February 1953.

- G-8331(1) Hutchison, A. Witt, Arthur Rose and John R. Hayes (Applied Science Laboratories, Inc., State College, Pa.)  
THE ESTIMATION OF COPPER-8-QUINOLINOLATE IN MILDEWPROOFED FABRICS; METHODS APPLICABLE IN THE PRESENCE OF OTHER COPPER-CONTAINING FUNGICIDES. (U.S. Quartermaster Corps. Contract number DA-44-109-qm-1239) 2 p. December 1952.
- G-8637 Marsh, Paul B.  
A TEST FOR DETECTING THE EFFECTS OF MICRO-ORGANISMS AND OF A MICROBIAL ENZYME ON COTTON FIBER. (Reprint Plant Disease Repr. 37:71-76) Bibliography: p. (6) (76) 6 p. February 1953.
- G-8666 National Research Council, Canada. Canadian government specifications board  
SPECIFICATION FOR DUCK COTTON; HEAVY WATER AND ROT RESISTANT TREATMENT. (Specification 4-GP-53, and amendment no. 1) "Supersedes 4-GP-53P, 18 February 1952." 4 p. July, Oct. 1952.
- G-8667 National Research Council, Canada. Canadian government specifications board  
SPECIFICATION FOR DUCK, COTTON; HEAVY WATER, ROT AND FLAME RESISTANT TREATMENT. (Specification 4-GP-54, and amendment no. 1) 7 p. July, October 1952. "Supersedes 4-GP-54P, 18 February 1952."
- G-8668 National Research Council, Canada. Canadian government specifications board  
SPECIFICATION FOR DUCK, COTTON; LIGHT ROT RESISTANT TREATMENT. (Specification 4-GP-51, and amendment no. 1). "Supersedes 4-GP-51P, 18 February 1952." 2 p. July, Oct. 1952.
- G-8668(1) National Research Council, Canada. Canadian government specifications board  
SPECIFICATION FOR DUCK; COTTON, LIGHT ROT RESISTANT TREATMENT, AMENDMENT NO. 2. (Specification 4-GP-51). August 1953. "Supersedes amendment no. 1, 17 October 1952."
- G-8669 National Research Council, Canada. Canadian government specifications board  
SPECIFICATION FOR DUCK, COTTON; LIGHT WATER RESISTANT AND ROT RESISTANT TREATMENT. (Specification 4-GP-52, and amendment no. 1) 3 p. July, October 1952). "Supersedes 4-GP-52P, 18 February 1952."
- G-8760 NOTES ON MILDEW AND MICRO-ORGANISMS IN TEXTILES. (Reprint Textile Mfr. 78:422-424) Bibliography: 1. (3) (424) 3 p. August 1952.
- G-8825 Rose, Grace R.F. and C.H. Bayley  
COPPER 8-HYDROXYQUINOLINOLATE AS A TEXTILE FUNGICIDE. (Fourth Commonwealth conference on development, design and inspection of clothing, and general stores, United Kingdom, 1953) Bibliography: 1. 19. Presented by Canada in London, May 1953.
- G-9055 A CONTRIBUTED SURVEY DISCUSSING RECENT DEVELOPMENTS IN DYEING AND FINISHING TO ASSIST IN THE PRODUCTION OF IMPROVED AND MORE ATTRACTIVE TEXTILE MATERIALS. . . . (In Fibres 14:103-106) 4 p. March 1953.

- G-9270 Gadberry, Howard M.  
MILDEW PROOFING OF CANVAS PRODUCTS. (Reprint Natl. Canvas Goods  
Manufacturers Rev. 28(12):50,52,54-57) 6 p. May 1953.
- G-9281 Greathouse, Glenn A.  
BIOSYNTHESIS OF  $C^{14}$ -SPECIFICALLY LABELED COTTON CELLULOSE. (Re-  
print Science 117:553-554) Bibliography: p. 2. 2 p. May 1953.
- G-9310 Hansen, E.C. and Carl A. Bergman  
REVIEW OF MILDEWPROOFING TREATMENTS. (In Am. Dyestuff Repr.  
42:P466-P468) Bibliography: p. (3) (P468) 3 p. July 1953.
- G-9426(1) Zahn, Helmut and Hans Wilhelm  
PREPARATION OF MICROBIOLOGICALLY RESISTANT WOOL BY MEANS OF  
CHEMICAL MODIFICATION: PART I. (In Textile Research J. 23:  
604-613) Bibliography: p. (10) (613) "Published in German in  
the July, 1953, issue of Melliand Textilberichte, p. 609-15)  
10 p. September 1953.
- G-9426(2) Zahn, Helmut and Albrecht Wurtz  
PREPARATION OF MICROBIOLOGICALLY RESISTANT WOOL BY CHEMICAL  
MODIFICATION. PART III - PART VI. (In Textile Research J.  
26:111-124) Bibliography: p. (14) (124) 14 p. February 1955.
- G-9427 WATERPROOFING AND ROTPROOFING COMPOUNDS FOR JUTES, SOFT HEMPS,  
MANILA AND SISAL. (In Fibree 14:332) 1 p. September 1955.
- G-9611 Marsh, Paul B., George V. Merola and Marion E. Simpson  
EXPERIMENTS WITH AN ALKALI SWELLING-CENTRIFUGE TEST APPLIED TO  
COTTON FIBER. (In Textile Research J. 23:831-841) Bibliography:  
p. (11) (841) 11 p. November 1953.
- G-9735 Marsh, Paul B., Katherina Bollenbacher, Mary L. Butler and  
L.R. Guthrie  
"S FACTOR," A MICROBIAL ENZYME WHICH INCREASES THE SWELLING OF  
COTTON IN ALKALI. (In Textile Research J. 23:878-888)  
Bibliography: p. 10-11; 887-888. 11 p. December 1953.
- G-9737 Gyllenberg, Helge H.G.  
STUDIES OF ASSOCIATIVE POPULATIONS IN THE BREAKDOWN OF CELLULOSE.  
(Reprint Acta Agr. Scand. 2:183-196) 14 p. 1952.
- G-9750 Macmillan, W.G., S.N. Basu and P.N. Pal  
DETERIORATION OF CUPRAMMONIUM-PROOFED JUTE FABRIC. (Reprint J.  
Sci. Ind. Research (India) 12B:558-562) 5 p. November 1953.
- G-9813 Marsh, Paul B., Katharina Bollenbacher, Mary L. Butler and  
George V. Merola  
THE RELATIVE RESPONSIVENESS OF CERTAIN PROPERTIES OF COTTON FIBER  
TO MICROBIAL ACTION. (In Textile Research J. 24:31-38) Biblio-  
graphy: p. (8) (38) 8 p. January 1954.

- G-9976 Roy, Amal Sankar  
THE STORAGE OF JUTE FABRICS. (Reprint Indian Textile J. 63:  
769-771) Bibliography: 1. (3) (771) 3 p. September 1953.
- G-10017 Nopitsch, M.  
MICRO-ORGANIC ATTACK ON TEXTILES AND LEATHER. (In Ciba Rev.  
100:3578-3591, 3593, 3604, 3606-3610) Bibliography: p. (31)  
(3610) 31 p. October 1953.
- G-10035 Cooke, T.F.  
RESISTANCE TO MICROBIOLOGICAL DETERIORATION OF RESIN-TREATED  
CELLULOSIC FABRICS. (In Textile Research J. 24:197-209)  
Bibliography: p. (13) (209) 13 p. March 1954.
- G-10125 Bollenbacher, Katharina and Paul B. Marsh  
A PRELIMINARY NOTE ON A FLUORESCENT-FIBER CONDITION IN RAW  
COTTON. (In Plant Disease Repr. 38:375-379) Bibliography:  
1. (13) 13 p. 1954.
- G-10136 Fargher, R.G.  
THE OCCURRENCE AND PREVENTION OF THE BIOLOGICAL ATTACK OF CEL-  
LULOSIC TEXTILE FIBRES. 14 p. 1953. SEPARATE Williams, R.T.  
BIOLOGICAL TRANSFORMATIONS OF STARCH AND CELLULOSE. Cambridge  
Univ. press, 1953. Biochemical society symposia no. 11:71-84.  
Bibliography: p. (13-14) (83-84)
- G-10282 Reese, Elwyn T. and William Gilligan  
THE SWELLING FACTOR IN CELLULOSE HYDROLYSIS. (In Textile Research  
J. 24:663-669) Bibliography: p. (7) (669) 7 p. June 1954.
- G-10381 Gruberg, Leon D.  
SPECIAL TREATMENTS FOR WOOL FELT. (Reprint Product Eng. 25(5):  
194-197) 4 p. May 1954.
- G-10549 Rose, Grace R.F., M. Mitton, B.J. Gardner and C.M. Bayley  
THE INCIDENCE OF MICROBIOLOGICAL DAMAGE IN UNLINED FLAX FORESTRY  
FIRE HOSE. (Reprint Forestry Chronicle 30(3):274-279) 6 p.  
September 1954.
- G-10647 National Research Council, Canada. Canadian government specifica-  
tion board  
SPECIFICATION FOR COMPOUND; TEXTILE PRESERVATIVE; WATER AND ROT  
RESISTANT FOR FIELD TREATMENT. (Specification 4-GP-55, and  
amendment no. 1) 5 p. April, Oct. 1954.
- G-10693 Wakeham, Helmut  
COTTON QUALITY AND FIBER PROPERTIES. PART II - III. (In Textile  
Research J. 24:1037-1057) Bibliography: p.(10-11, 20) (1046-  
1047, 1057) 21 p. December 1954.

- G-10864 National Research Council, Canada. Canadian government specification board  
SPECIFICATION FOR DUCK; COTTON, HEAVY ROT, WATER AND FLAME RESISTANT TREATMENT. (Specification 4-GP-54a) "Supersedes 4-GP-54, 31 July 1952." 5 p. September 1954.
- G-10865 National Research Council, Canada. Canadian government specifications board  
SPECIFICATION FOR DUCK; COTTON, LIGHT ROT RESISTANT TREATMENT. (Specification 4-GP-51a) "Supersedes 4-GP-51, 31 July 1952." 3 p. September 1954.
- G-10866 National Research Council, Canada. Canadian government specifications board  
SPECIFICATION FOR DUCK; COTTON, ROT RESISTANT AND LIGHT WATER RESISTANT TREATMENT. (Specification 4-GP-52a) "Supersedes 4-GP-52, 31 July 1952." 4 p. September 1954.
- G-10867 National Research Council, Canada. Canadian government specifications board  
SPECIFICATION FOR DUCK; COTTON, HEAVY ROT AND WATER RESISTANT TREATMENT. (Specification 4-GP-53a, and amendment no. 1) "Supersedes 4-GP-53, 31 July 1952." 5 p. September 1954.
- G-10870 Spielrein, R.E. and C.J. Brady  
A COMPARISON OF RESISTANCE TO FUNGAL ATTACK OF VARIOUS FIBRES. (In Australian J. Applied Sci. 5:418-427) 10 p. December 1954.
- G-11237 AMMUNITION FOR WOOL. (In Chem. Week 76(20):52,57) 2 p. May 1955.
- G-11326 Fisher, C.H.  
RESEARCH TO TRANSFORM COTTON THROUGH CHEMISTRY INTO NEW TEXTILE PRODUCTS. (Reprint of a paper appearing in the Book of papers, p. 67-71, given at the Fourth Canadian textile seminar, Sept. 9-11, 1954, at Queens University, Kingston, Ontario.) 5 p. 1954.
- G-11327 American society for testing materials, Philadelphia, Pa.  
STANDARD METHODS OF TEST FOR EVALUATING TREATED TEXTILES FOR PERMANENCE OF RESISTANCE TO MICROORGANISMS. (Designation: D-862-54) 2 p. 1954.
- G-11328 American society for testing materials, Philadelphia, Pa.  
STANDARD METHODS OF TEST FOR RESISTANCE OF TEXTILE MATERIALS TO MICROORGANISMS. (Designation: D 684-54) 61 p. 1954.
- G-11452 Goldsmith, Margaret T. and M.A. Lattief  
DESORPTION OF QUATERNARY NITROGEN COMPOUNDS FROM COTTON AND WOOL FABRICS. (In Applied Microbiol. 3:195-197) July 1955.
- G-11848 Bell, J.W., Margaret M. Ramsey, C.S. Whewell  
THE ROTPROOFING OF VISCOSE RAYON. I. TREATMENT OF VISCOSE RAYON WITH FORMALDEHYDE AND FORMALDEHYDE-CONTAINING RESINS. (In Soc. Dyers & Colourists, J. 71:660-667) November 1955.

- G-12032 South African Bureau of Standards, Pretoria  
CODE OF PRACTICE FOR THE PREVENTION OF DETERIORATION DUE TO  
TROPICAL CONDITIONS. (Code O46-1952) 29 p. July 1952.  
(Also 30 p. in Dutch)
- G-12042 National Research Council, Canada. Canadian government specifica-  
tions board  
SPECIFICATION FOR ROPE; MANILA, GENERAL PURPOSE UNTREATED AND ROT  
RESISTANT. (Specification 40-GP-2a) "Supersedes 40-GP-2,  
Oct. 15, 1953." 5 p. April 1955.
- G-12401 Fraser, I.E.b. and A.P. Mulcock  
STAINING OF WOOL BY BACTERIAL PIGMENTS. (In Nature 177:628-629)  
March 1956.
- G-12508 Stevens, Hazel T., Mary Noka Hood and Harold C. Beard  
INVESTIGATION OF TARPAULIN MATERIAL. (U.S. Chemical Corps. Con-  
tract DA-18-064-cml-2383, fourth quarterly progress report for  
the period: April 1, 1954 to July 1, 1954; . . . (ASTIA Document  
AD41981) 11 p. (n.d.) Florida State University, Tallahassee
- G-12524 BUILT-IN DURABILITY. (In Chem. Eng. News 34:2508) May 1956.
- G-12525 Bell, J.W. and Margaret M. Ramsey  
THE ROTPROOFING OF VISCOSE RAYON. II. TREATMENT OF VISCOSE  
RAYON WITH IRON AND CHROMIUM SALTS. (In Soc. Dyers Colourists,  
J. 72:168-171) April 1956.
- G-12564 Bayley, C.H.  
MICROBIOLOGICAL PROCESS DISCUSSION; SOME AUXILIARY EFFECTS OF  
TEXTILE FUNGICIDES. (In Applied Microbiol. 4:76-84) March  
1956.
- G-12565 Goldsmith, M.T. and M.A. Latlief  
THE EFFECT OF QUATERNARY TREATMENT UNDER VARIED RATIOS OF WEIGHT-  
VOLUME-CONCENTRATION ON THE BACTERIOSTATIC PROPERTY OF FABRICS.  
(In Applied Microbiol. 4:91-94) March 1956.
- G-12615 Scott, Walter M.  
EFFECTS OF CHANGES IN THE STRUCTURE OF COTTON CELLULOSE UPON THE  
QUALITIES OF COTTON PRODUCTS. (In Textile Inst., J. 47:P235-  
P247) April 1956.
- G-12742 Rose, Arthur, A. Witt Hutchison and John R. Hayes  
THE ESTIMATION OF COPPER-8-QUINOLINOLATE IN MILDEWPROOFED FABRICS.  
(In Am. Dyestuff Repr. 45:362-364) June 1956.
- G-12751 Basu, S.N. and R.G. Bose  
DECOMPOSITION OF JUTE AND CELLULOSE BY AEROBIC BACTERIA. PART II.  
THE EFFECTS OF MODIFICATION BY EXTERNAL AGENCIES. (In Textile  
Inst., J. 47:T343-T347) June 1956.
- G-12967 Sherrill, J.C.  
THE EVALUATION OF BACTERIOSTATIC REAGENTS AND METHODS OF AP-  
PLICATION TO TEXTILE FABRICS. (In Textile Research J. 26:  
342-350) May 1956.

- G-12991      Mazzeno, Laurence W., jr., Robert M. Reinhardt, J. David Reid  
                    and John B. Dickson  
EFFECT OF ALKALINE HYDROLYSIS ON THE PROPERTIES OF CYANO-  
ETHYLATED COTTON. (In Textile Research J. 26:597-606)  
August 1956.
- G-12993      Abrams, Edward, and Robert R. Bottoms  
A COPPER PROCESS FOR PROLONGED MICROBIOLOGICAL PROTECTION OF  
CELLULOSIC FABRICS BY CHEMICAL MODIFICATION. (In Textile  
Research J. 26:630-640) August 1956.
- G-13106      Heyn, A.N.J.  
CAUSES AND DETECTION OF DAMAGE IN RAW COTTON. (In Textile Inds.  
120(5):137-145) May 1956.
- G-13122      Mayer, Mayer, jr.  
SRRL LOOM ATTACHMENT MAKES WEATHERPROOF FABRICS. (In Textile  
World 106(4):126-127,200,202,204) April 1956.
- G-13421      Jermyn, M.A.  
A NEW METHOD DEVELOPED FOR ROTPROOFING, MOTH-PROOFING. (In  
Textile World 106(11):139) November 1956.
- G-13483      Baskin, A. David, Arthur M. Kaplan  
A STUDY OF MIXED-SPORE CULTURE AND SOIL-BURIAL PROCEDURES IN  
DETERMINING MILDEW RESISTANCE OF VINYL-COATED FABRICS. (In  
Applied Microbiol. 4:288-293) November 1956.
- P-23              Ter Horst, William P.  
. . . MILDEWPROOFING OF TEXTILE MATERIALS. (William P. ter Horst,  
Pompton Plains, N.J., assignor to United States Rubber Com-  
pany, New York, N.Y., a corporation of New Jersey . . . , U.S.  
Pat. 2,401,028; May 28, 1946) 1 p.
- P-1545      Sundholm, Norman K. and Joseph B. Skaptason  
FUNGICIDAL COMPOSITION COMPRISING A 3-PHENYL-2,4-THIAZOLEDIONE.  
(Norman K. Sundholm, Naugatuck, Conn., and Joseph B. Skaptason,  
Hempstead, N.Y., assignors to United States Rubber Company,  
New York, N.Y., a corporation of New Jersey. U.S. Pat.  
2,510,725) 2 p.
- P-1547      Sundholm, Norman K.  
GERMICIDAL COMPOSITION COMPRISING A 3,5-DIMETHYL-4-NITROSOPYRAZOLE.  
(Norman K. Sundholm, Naugatuck, Conn., assignor to United  
States Rubber Company, New York, N.Y., a corporation of New  
Jersey. U.S. Pat. 2,510,724; June 6, 1950) 5 p.
- P-1551      Sundholm, Norman K.  
1, -(4-SULFAMYLPHENYL)-3,5-DIMETHYL-4-NITROSEPYRAZOLE AND GERMI-  
CIDAL COMPOSITIONS CONTAINING IT. (Norman K. Sundholm,  
Naugatuck, Conn., assignor to United States Rubber Company,  
New York, N.Y., a corporation of New Jersey. U.S. Pat.  
2,510,726; June 6, 1950) 2 p.



- P-1664 Carter, William James  
ROTPROOFING OF TEXTILES, PAPER, AND OTHER FIBROUS MATERIALS.  
(William James Carter, Avonmouth, England, assignor to National processes limited, London, England, a joint-stock company. U.S. Pat. 2,280,477; April 21, 1942) 1 p.
- P-1703 Ford, Florence M. and William P. Hall  
METHOD OF IMPARTING DURABLE MILDEW RESISTANCE TO FIBROUS CELLULOSE MATERIALS. (Florence M. Ford and William P. Hall, Wilmington, Del., assignors to Joseph Bancroft and sons company, Wilmington, Del. . . . U.S. Pat. 2,524,783; October 10, 1950) 8 p.
- P-1964 Stevens, Arthur Harold  
IMPROVEMENTS IN PROCESSES FOR IMPARTING FLAME-RESISTANCE TO FIBROUS MATERIALS OR MILDEW-RESISTANCE TO FIBROUS MATERIALS. . . . (Communication from Joseph Bancroft and sons company . . .) Gt. Brit. Pat. spec. 649,642; January 31, 1951) 16 p.
- P-2047 N.V. de Bataafsche Petroleum Maatschappij, The Hague, Netherlands  
WERKWIJZE VOOR HET BESCHERMEN VAN TEXTIELMATERIAAL TEGEN AANTASTING DOOR FUNGI EN BACTERIEN, EN MET BEHULP VAN DEZE WERKWIJZE BESCHERMD TEXTIELMATERIAAL. (Neth. Pat. 56983; December 15, 1950) 4 p.
- P-2164 Keyser, Paul V., jr., John W. Schick and Howard D. Hartough  
WATER-REPELLENT TEXTILE FABRICS RESISTANT TO FUNGI AND BACTERIA. (Paul V. Keyser, jr., Moorestown, John W. Schick, Camden, and Howard D. Hartough, Pitman, N.J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York, U.S. Pat. 2,582,870; January 15, 1952) 4 p.
- P-2220 N.V. de Bataafsche Petroleum Maatschappij, The Hague, Netherlands  
COMPOSITIONS FOR AND METHOD OF IMPREGNATING FIBROUS MATERIALS TO RENDER THE MATERIALS RESISTANT TO ATTACK BY MICRO-ORGANISMS. (Gt. Brit. Pat. spec. 660,434; November 7, 1951) 3 p.
- P-2339 Couper, Monroe  
MILDEWPROOF CELLULOSE PRODUCED BY REACTION WITH CHLORO-BENZYL QUATERNARY AMMONIUM SALTS. (Monroe Couper, Waynesboro, Va., assignor to Institute of textile technology, Charlottesville, Va. . . . U.S. Pat. 2,609,270; September 2, 1952) 2 p.
- P-3084 Cowles Chemical Company, Cleveland, Ohio  
TREATMENT OF TEXTILE MATERIALS WITH ORGANOSILICON COMPOUNDS. (Gt. Brit. Pat. spec. 705,260; March 10, 1954) 4 p.
- P-5387 Weick, Arthur C.  
MILDEW RESISTANT TEXTILE PRODUCTS AND PROCESSES FOR PREPARING THEM. (Arthur C. Weick, Bronxville, N.Y., assignor to Pacific Mills, Boston, Mass., a corporation of Massachusetts. U.S. Pat. 2,698,263; December 28, 1954) 2 p.

- P-3989 Bottoms, Robert Roger  
PROCESS OF IMPREGNATING CELLULOSIC MATERIALS WITH COPPER IN  
CHEMICALLY BOUND RELATION WITH THE CELLULOSE. (Robert Roger  
Bottoms, Crestwood, Ky., assignor to National Cylinder Gas  
Company, Chicago, Ill., a corporation of Delaware. U.S. Pat.  
2,749,256; June 5, 1956) 6 p.
- X-591 Scheffer, Theodore Comstock  
MOLDING TESTS OF KNAPSACKS. ("Not for Publication") Office  
report of the Division of forest pathology, Bureau of plant  
industry, soils and agricultural engineering; 5 p. September  
1944.
- X-690 Armstead, Dorothy and S.C. Harland  
THE DESTRUCTION EFFECT OF MICRO-ORGANISMS ON RAW COTTON AND  
COTTON FABRICS. A summary of the literature. (In Textile  
Inst., J. 14:T157-T160) June 1923.
- X-718 Galloway, L.D.  
THE MINIMUM MOISTURE REGAIN FOR THE DEVELOPMENT OF MICRO-  
ORGANISMS ON JUTE. (In Textile Inst., J. 30:T127-T130)  
August 1939.
- X-754 Prindle, Bryce  
THE MICROBIOLOGY OF TEXTILE FIBRES. I. COTTON FIBRE; METHODS  
OF MICROBIAL ANALYSIS. (In Textile Research 4:413-428, July;  
463-478, Aug.; 555-569, Oct.; 5:11-31, November 1954)
- X-765 Galloway, Leslie Douglas  
THE FORMATION OF "DIAMOND SPOT" STAINS BY MILDEW FUNGI. (In  
Shirley Inst. Mem. 10:75-77) 1931.
- X-909 Fleming, Nancy and Aage Christian Thaysen  
ON THE DETERIORATION OF COTTON ON WET STORAGE. 2., (In Biochem.  
J. 14:25-28) February 1920.
- X-910 Fleming, Nancy and Aage Christian Thaysen  
ON THE DETERIORATION OF COTTON ON WET STORAGE. 46., (In Biochem.  
J. 21:407-414) 1921.
- PDL-30052 Basu, S.N. and R.G. Bose  
AN ANTI-FUNGAL SUBSTANCE IN JUTE. (In J. Sci. Ind. Research  
(India) 15C:163-166) July 1956.
- PDL-30061 Rose, G.R.F., M. Mitton, B.J. Gardner and D.M. Laird  
THE DETECTION OF FUNGAL GROWTH IN CELLULOSIC TEXTILES. (In  
Textile Research J. 27:99-110) February 1957.
- PDL-30067 Brysson, Ralph J.  
PROTECTIVE TREATMENTS FOR COTTON AWNINGS. (In Textile Research  
J. 27:209-213) March 1957.

- PDL-30075 Sandoz ltd., Basle, Switzerland  
PROCESS FOR IMPREGNATING FIBROUS MATERIAL WITH MICRO-BIOCIDAL  
SUBSTANCES. (Gt. Brit. Pat. specification 742,812; Jan.  
4, 1956) 5 p.
- PDL-30079 Ciba limited, Basle, Sitz.  
IMPROVEMENTS RELATING TO THE PROTECTION OF CELLULOSIC FIBROUS  
MATERIALS HAVING A LOW SWELLING CAPACITY FROM ATTACK BY  
MICRO-ORGANISMS. (Gt. Brit. Pat. specification 745,638;  
February 29, 1956) 5 p.
- PDL-30081 Epstein, Aaron and Marianne Falck  
RESINOUS FUNGICIDE. (Aaron Epstein and Marianne Falck, Atlanta,  
Ga.; said Falck assignor to said Epstein. U.S. Pat.  
2,759,903; August 21, 1956) 4 p.
- PDL-30082 Ruperti, Andreas  
METHOD FOR PROTECTION OF CELLULOSIC FIBROUS MATERIAL FROM ATTACK  
BY MICRO-ORGANISMS. (Andreas Ruperti, Arlesheim, Switzerland,  
assignor to Ciba limited, Basel, Switzerland, a Swiss firm.  
U.S. Pat. 2,763,574; September 18, 1956) 6 p.
- PDL-30084 Avery, Charles C., jr.  
METAL-COATED CLOTH AND COMPOSITION AND METHOD FOR MAKING THE SAME.  
(Charles C. Avery, jr., Nutley, N.J., assignor to the Cravenette  
company, Hoboken, N.J., . . . U.S. Pat. 2,767,104; October 16,  
1956) 3 p.
- PDL-30085 Dux chemical solutions company limited, London, Patentee  
ROT-PROOFING CELLULOSIC MATERIALS. (Gt. Brit. Pat. specification  
750,183; June 13, 1956; Inventor: Peter Harold Clark) 4 p.
- PDL-30086 Sandoz limited, Basle, Switzerland  
IMPROVEMENTS IN OR RELATING TO THE PROTECTION OF CELLULOSE OR  
REGENERATED CELLULOSE FIBRES AGAINST ATTACK BY MICROORGANISMS  
OR MOULDS. (Gt. Brit. Pat. specification 749,324; May 23,  
1956) 2 p.
- PD 30087 Imperial chemical industries limited, London  
COMBINED ROT-PROOFING AND MILDEW-PROOFING OF TEXTILES. (Gt. Brit.  
Pat. specification 750,501; June 20, 1956) 8 p.
- PDL-30387 Frampton, Vernon L. (Texas University)  
THE WEATHERING OF CELLULOSIC MATERIALS. (U.S. Wright air develop-  
ment center. Technical report 54-135; . . . (ASTIA Document)  
AD 89172) 65 p. December 1953.
- PDL-30388 Rose, Arthur and Thomas B. Hoover (Applied Science Laboratories,  
Inc., State College, Pa.)  
EVALUATION OF FUNGUS RESISTANCE OF COTTON THREAD TREATED WITH  
SELECTED FUNGICIDAL FORMULATIONS, SUPPLEMENT 1, STATISTICAL  
ANALYSIS OF DATA. (U.S. Wright air development center. Tech.  
report 55-480, supplement 1; . . . (ASTIA Document) AD 110441)  
17 p. October 1956.

- PDL-30407 Ciba limited, Basle, Switz.  
PROCESS FOR PROTECTING FIBROUS MATERIALS AGAINST ATTACK BY  
MICRO-ORGANISMS AND PREPARATION THEREFOR. (Gt. Brit. Pat.  
specification 758,355; October 3, 1956) 5 p.
- PDL-30445 Moran, J.J. and H.I. Stonehill  
FADING AND TENDERING ACTIVITY IN ANTHRAQUINONOID VAT DYES. PART  
I. ELECTRONIC ABSORPTION SPECTRA OF DYE SOLUTIONS. PART II.  
FLUORESCENCE, ABSORPTION SPECTRA, AND STABILITY TO LIGHT OF  
DYED FILMS. PART III. FREE-RADICAL PRODUCTION AND PROBABLE  
REACTION MECHANISMS. (In Chem. Soc., J. 1957, p. 765-795)
- PDL-30497 Reese, Elwyn T.  
BIOLOGICAL DEGRADATION OF CELLULOSE DERIVATIVES. (In Ind. Eng.  
Chem. 49:89-93) January 1957.
- PDL-30586 MacMillan, W.G. and S.N. Basu  
PROTECTION OF JUTE MATERIALS AGAINST MICROBIOLOGICAL & ACTINIC  
DETERIORATION. PART II. EVALUATION OF SOME PROOFING AGENTS  
AGAINST WEATHER EXPOSURE. (In J. Sci. Ind. Research (India)  
16C:95-100) April 1957.
- PDL-30593 Rose, G.R.F. and C.H. Bayley  
A STUDY OF THE WEATHERING CHARACTERISTICS OF COTTON FABRICS  
CONTAINING INORGANIC COMPOUNDS. PART II. FURTHER WORK ON  
COPPER-CHROMIUM TREATMENTS. (In Textile Research J.  
27:519-528) July 1957.
- PDL-30632 Klens, P.F. and W.J. Stewart  
NEW DEVELOPMENTS IN TEXTILE PRESERVATION. (In Am. Dyestuff Repr.  
46:340-350) May 1957.
- PDL-30643 Fraser, I.E.B.  
OBSERVATIONS ON THE MICROCLIMATE OF THE FLEECE. (In Australian  
J. Agri. Research 8:281-298) May 1957.
- PDL-30774 Feazel, C.E. (Southern Research Institute, Birmingham, Ala.  
EVALUATION OF SOME DECONTAMINATION PROCEDURES. (U.S. Chemical  
Corps. Contract DA-18-064-404-CML-52, summary report 7; . . .  
(ASTIA Document) AD 91469) 5 p. March 1956.
- PDL-30862 Hayn, A.N.J.  
BACTERIOLOGICAL STUDIES ON COTTON. (In Textile Research J. 27:  
591-603) August 1957.
- PDL-30970 Reese, Elwyn T., Leon Segal and Verne W. Tripp  
THE EFFECT OF CELLULASE ON THE DEGREE OF POLYMERIZATION OF CEL-  
LULOSE AND HYDROCELLULOSE. (In Textile Research J. 27:626-  
632) August 1957.
- PDL-31018 Tewari, M.C.  
FIXATION OF WOOD PRESERVATIVES IN CANES, ROPES, GRASS & CLOTH.  
(In Timber Dryers' & Preservers' Assoc. of India, J. 3(3):  
10-16) July 1957.

- PDL-31114 Sudén, Olof  
TACRYL. DIE ENTWICKLUNG EINER SCHWEDISCHEN CHEMIEFASER. (Tr.: Taeryl, the development of a Swedish chemical fiber) (In Melliland Textilber. 38:481-483) May 1957.
- PDL-31177 Whitaker, D.R.  
THE MECHANISM OF DEGRADATION OF CELLULOSE BY MYROTHECIUM CELLULASE. (National Research Council, Canada, N.R.C. Publication no. 4437) (In Can. J. Biochem. Physiol. 35:733-742) 1957.
- PDL-31263 Rose, G.R.F., and M.E. Fraser  
SOME ASPECTS OF THE USE OF 2,2'-DIHYDROXY 5,5' -DICHLORODIPHENYL METHANE AS A TEXTILE FUNGICIDE. (In Am. Dyestuff Repr. 46: 385-390) June 1957.
- PDL-31270 Tebbens, W.G., and J.R. Newman  
NEW PROTECTIVE TREATMENT FOR FABRICS ANNOUNCED BY Tee-Pak, Inc. (Includes article in Am. Dyestuff Repr. 46:379-380, May 1957, and in Daily News Record, May 10, 1957)
- PDL-31307 MASTER ORDER BEING MADE FOR STANDARD TEST FABRIC. (In Am. Dyestuff Repr. 46:783) October 1957.
- PDL-31539 Ruperti, Andreas  
BAUMWOLLKONSERVIERUNG NACH DEM ARIGAL - VERFAHREN. (Tr.: Cotton preservation according to the Arigal process) (In Melliland Textilber. 37:1419-1421) December 1956.
- PDL-31612 Marsh, Paul B.  
MICROSCOPIC OBSERVATIONS ON COTTON FIBERS SUBJECTED TO ENZYMATIC DEGRADATION. (In Textile Research J. 27:913-916) November 1957.
- PDL-31780 Philipson, Melva N.  
ACTINOMYCETE DISINTEGRATION OF RAW WOOL. (In Nature 180:1205-1206) November 1957.
- PDL-31787 BIG FUTURE FOR TEXTILE GERM KILLERS? (In Chem. Week 81(22):97-98, 100) November 1957.
- PDL-31877 Foltz, Thomas R.  
WHY WET FELTS DETERIORATE. (In Southern Pulp Paper Mfr. 20(8): 98,100,109,114) August 1957.
- PDL-31913 Kowalik, R., and E. Czerwinska  
MIKROORGANIZMY NISZCZACE KANINY BAWELNIANE I WELNIANE. (Tr.: Microorganisms concerned in decaying cotton and wool fibers) (In Acta Microbiol. Polon. 5(1/2):291-297) 1956. Includes English summary.
- PDL-31967 Kogan, A.B.  
NEW COMPOSITIONS RENDERING COTTON TAPE ROT-RESISTANT AND WATER-REPELLENT. (In Tekstil. Prom. 17(3):39-40) March 1957. In Russian.

- PDL-32034 National Research Council, Canada. Canadian government specifications board  
SPECIFICATION FOR DUCK; COTTON HEAVY ROT, WATER AND FLAME RESISTANT TREATMENT. (Specification 4-GP-54b, and amendment no. 1) "Supersedes 4-GP-54A. Amendment no. 2, September 1958, attached." 8 p. June 1956, August 1957.
- PDL-32099 Fischer, E.  
BEZIEHUNGEN ZWISCHEN CHEMISCHER STRUKTUR UND BAKTERIOSTATISCHER WIRKSAMKEIT VON DI- UND TRIPHENYLMETHAN-FARBSTOFFEN. II. MITTEILUNG: EINFLUSS DES BASISCHEN CHARAKTERS AUF DIE BAKTERIOSTATISCHE WIRKSAMKEIT. (Tr.: Chemical structure and bacteriostatic effect of di- and triphenylmethane dyestuffs. Influence of the basic character of the bacteriostatic effectiveness) (In Arzneimittel-Forsch. 7:306-307) 1957.
- PDL-32230 Bryson, Ralph J., W. Norbert Berard, John V. Bailey and A. Mason Du Pre, jr.  
NEW HORIZONS FOR CANVAS AWNINGS. (In Canvas Prod. Rev. 32(12): 36-37,40-42) May 1957.
- PDL-32283 Zilahi, Márton and E. Móczár  
EIGENSCHAFTEN VON TEILWEISE CYANÄTHYLIERTEN LEINENGEWEBEN. (Tr.: Property of partially cyanooxylated linen fabrics) (In Faserforsch. u. Textiltech. 8:192-194) May 1957.
- PDL-32364 Mecheels, O., M. Nopitsch, A. Kling and J. Mecheels  
UBER DIE PHYSIOLOGISCHEN EIGENSCHAFTEN VON MISCHTEXTILIEN. (Tr.: The physiological properties of mixed textile materials) (In Melliland Textilber. 38:1144-1151) October 1957.
- PDL-32482 Michalska, I.  
FLORA GRZYBOWA I BAKTERYJNA JAKO CZYNIK NISZCZACY WĘŹNE OWCZA. (Tr.: Fungi and bacteria as a factor in decaying of wool-fiber) (In Acta Microbiol. Polon. 6:171-188) 8 plates, 1957.
- PDL-32722 Heyn, A.N.J.  
THE OCCURRENCE OF MYROTHECIUM ON FIELD COTTON. (In Textile Research J. 28:444-445) May 1958
- PDL-32783 Kersnar, Paul William  
METHOD OF MILDEWPROOFING CELLULOSE FIBER BY ETHERIFYING ESTERIFYING, AND QUATERNIZING THE CELLULOSE. (Paul William Kersnar, Baltimore, Md. U.S. Pat. 2,833,614; May 6, 1958) 3 p.
- PDL-32795 Marsh, Paul B., G.V. Merola, M.L. Butler and M.E. Simpson  
THE INFLUENCE OF WEATHERING PRIOR TO HARVEST ON CERTAIN PROPERTIES OF COTTON FIBERS. (In Textile Research J. 28:95-111) February 1958.
- PDL-32996 Badische Anilin- & Soda-Fabrik Aktiengesellschaft, Ludwigshafen, Germany  
IMPROVEMENTS IN THE PRESERVATION OF THREADS AND PRODUCTS THEREFROM. (Gt. Brit. Pat. specification 789,998; Jan. 29, 1958) 2 p.

- PDL-33050 Lutz, Karl and Hans Hemmi  
METHOD OF PROTECTING CELLULOSE FIBERS AGAINST MICROORGANISMS AND FUNGI AND THE RESULTING PRODUCT. (Karl Lutz, Basel, and Hans Hemmi, Binningen, near Basel, Switzerland, assignors, by mesne assignments, to Saul & Co., Newark, N.J., as nominee of Fidelity Union Trust Company, executive trustee under Sandoz Trust. U.S. Pat. 2,838,425; June 10, 1958) 3 p.
- PDL-33120 Hueck, H.J., J.G.A. Luijten  
ORGANO-TIN COMPOUNDS AS TEXTILE PRESERVATIVES. (In Soc. Dyers Colourists, J. 74:476-480) June 1958.
- PDL-33149 Bayley, C.H.  
MEMORANDUM ON RELATIVE EFFICACY AS TEXTILE FUNGICIDES OF ZINC CUNIMENE AND FUNGITROL 50. 5 p. April 1958.
- PDL-33195 Baskin, A. David and Arthur M. Kaplan  
PHOTOTENDERIZATION BY ANTHRAQUINONE 2,6-DISULFONIC ACID OF COTTON DUCK BEFORE AND AFTER WEATHERING. (In Textile Research J. 28:554-559) July 1958.
- PDL-33383 Himmelfarb, David  
THE TECHNOLOGY OF CORDAGE FIBRES AND ROPE. (New York, Textile Book Publishers, Inc.) 370 p. 1957.
- PDL-33408 Klein, Elias, David J. Stanonis, Pieter Harbrink and Ralph J. Berni  
THE PREPARATION AND PROPERTIES OF PARTIALLY BENZYLATED COTTON. (In Textile Research J. 28:659-668) August 1958.
- PDL-33422 Buras, Edmund M., jr., and Ralph M. Persell  
NEW TEXTILE PRODUCTS FROM COTTON. PARTIALLY ACETYLATED COTTON. (U. S. Agricultural Research Service Publication ARS-72-4) 24 p. September 1956.
- PDL-33475 Baskin, A. David, J. Bubernak, S.P. Reynolds, J.B. Oakes and H.D. Lyster  
SEMIMICROQUANTITATIVE ANALYSIS OF COPPER-8-QUINOLINOLATE. A DEMONSTRATION OF UNEVEN DEPOSITION OF FUNGICIDE ON CELLULOSIC MATERIALS AS A MAJOR VARIABLE IN DETERIORATION EVALUATION. (In Am. Dyestuff Repr. 47:603-608) September 1958.
- PDL-33492 Moder, Joseph J., and Charles W. Stuckey (Georgia Institute of Technology. Engineering Experiment Station)  
EVALUATION OF FUNGICIDAL TREATMENTS FOR COTTON FABRICS. (U.S. Wright Air Development Center. Tech. Report 57-711; . . . (ASTIA Document) AD 151127) 110 p. April 1958.
- PDL-33499 Yeager, Charles C., and Jay C. Chapin (Scientific Oil Compounding Company, Inc., Chicago, Ill.)  
DEVELOPMENT OF EFFECTIVE NON-TOXIC FLUORINATED FUNGICIDAL FORMULATIONS FOR COTTON MATERIALS. (U.S. Wright Air Development Center. Technical Report 58-303; . . . (ASTIA Document) AD 203525) 61 p. October 1958.

- PDL-33960 Frederick, Jacob K., jr., Robert E. Otto and David H. Pfister  
(Lowell technological institute, Lowell, Mass. Research  
Foundation)  
EVALUATION OF FUNGICIDAL VINYL COATED COTTON DUCK. (U.S. Wright  
Air Development Center. Technical report 57-366; . . . (ASTIA  
Document) AD155686) 49 p.
- PDL-34069 Morin, George Van Norden  
NONWOVEN FABRIC AND PRODUCTS CONTAINING BACTERISTATIC AGENT.  
(George Van Norden Morin, Westfield, N.J., assignor to Chicopee  
Manufacturing Corporation, a corporation of Massachusetts.  
U.S. Pat. 2,837,462; June 3, 1958) 4 p.
- PDL-34091 Hueck, H.J. and J. La Brijn  
HET ROTWEREND MAKEN VON KATOEN MET PENTACHLOORPHENOL EN LAURYL-  
PENTACHLOORPHENOL. (Tr.: The rotproofing of cotton with  
pentachlorophenol and laurylpentachlorophenol) (In Tex, De  
17:1057-1063) 1958. Includes English summary.
- PDL-34126 American association of textile chemists and colorist. Committee  
on antibacterial agents  
DETECTION OF ANTIBACTERIAL PROPERTY OF FABRICS AGAR PLATE METHOD.  
TENTATIVE TEST METHOD 90-1958. (In Am. Dyestuff Repr. 48:P8-  
P9) January 1959.
- PDL-34131 Young, F.S., and W.R. Hindson  
THE IDENTIFICATION OF DAMAGE TO LIGNIFIED FIBRES. A NEW MICRO-  
SCOPICAL TEST USING IODINE AND SULPHURIC ACID. (In Textile  
Inst., J. 49:T554-T560) November 1958.
- PDL-34163 Marsh, Paul B., and Eldon E. Taylor  
THE GEOGRAPHICAL DISTRIBUTION OF FIBER CONTAINING FLUORESCENT  
SPOTS ASSOCIATED WITH ASPERGILLUS FLAVUS IN THE UNITED STATES  
COTTON CROP OF 1957. (In Plant Disease Repr. 42:1368-1371)  
December 1958.
- PDL-34164 Mulcock, A.P., and I.E.B. Fraser  
TOTAL COUNTS OF MICROORGANISMS IN THE FLEECE OF TWO CORRIEDALE  
FLEECE TYPES. (In Australian J. Agri. Research 9:704-707)  
September 1958.
- PDL-34190 Ebert, Wolfgang  
ANTISEPTICS ZUR KONSERVIERUNG VON TEXTILIEN UND TEXTILHILFSMIT-  
TELN. (Tr.: Antiseptics for the preservation of textiles and  
textile assistants) (In Deut. Textiltech. 8:259-260) May  
1958.
- PDL-34293 Parker, Robert P., and Anthony Abbey  
TEXTILE FABRICS CONTAINING NEOMYCIN. (Robert P. Parker, Ridgewood  
and Anthony Abbey, Jamesburg, N.J., assignors to American  
Cyanamid Company, New York, N.Y., a corporation of Maine. U.S.  
Pat. 2,830,011; April 8, 1958) 6 p.



- PDL-34315 Kaluzin, N.W., and M.G. Voronkov  
IMPARTING WATER-REPELLENT PROPERTIES TO COTTON FABRICS BY IMPREGNATION WITH ORGANIC SILICON COMPOUNDS. (In Zhur. Priklad. Khim. 31:1390-1397) September 1958.
- PDL-34329 Berard, W. Norbert, Gloria A. Gautreaux and Wilson A. Reeves  
FORMIC ACID COLLOID OF METHYLOMELAMINE AS A WEATHER AND ROT RESISTANT FINISH FOR COTTON. (In Textile Research J. 29: 126-133) February 1959.
- PDL-34421 Kornreich, E.  
EIN BEITRAG ZUR UNTERSUCHUNG TEXTILER SCHÄDEN. (Tr.: A contribution to the investigation of textile damages) (In Textil-Rundschau 13:458-464) August 1958.
- PDL-34424 Ramsch, Heinz and Charlotte Kühn<sup>n</sup>  
TESTPILZE IM RAHMEN DER TEXTILPRUFUNG. (Tr.: Test fungi in the domain of textile testing) (In Faserforsch. u. Textiltech. 9: 441-445) October 1958. Includes English summary.
- PDL-34444 Hueck, H.J.  
BIOLOGISCH BEDERF VAN TECHNISCHE MATERIALEN. (Tr.: Biological decay of technical material) (Central laboratory T.N.O., Delft, Neth. Report 54) (In TNO Nieuws 150:398-405) September 1958.
- PDL-34460 CHEMICALS USED FOR ROACH CONTROL. (In Pest Control 26(6):16,19) June 1958.
- PDL-34491 Ivanov, V.D.  
A METHOD OF DETERMINATION OF THE USEFULNESS OF TANNING EXTRACTS FOR PRESERVING OF NET MATERIALS. (In Trudy Vsesoiuznogo Nauchno-Issledovatel'skogo Instituta Morskogo Rybnogo Khoziaistva i Okeanografii 30:257-264) 1955. In Russian.
- PDL-34492 Popova, S.L.  
INVESTIGATION OF THE PROCESS OF DESTRUCTION OF NET MATERIALS BY MICROORGANISMS. (In Trudy Vsesoiuznogo Nauchno-Issledovatel'skogo Instituta Morskogo Rybnogo Khoziaistva i Okeanografii 30:234-241) 1955. In Russian.
- PDL-34496 Popova, S.L.  
THE EFFECT OF LIGHT AND ATMOSPHERIC CONDITIONS ON NET EQUIPMENT MATERIALS. (In Trudy Vsesoiuznogo Nauchno-Issledovatel'skogo Instituta Morskogo Rybnogo Khoziaistva i Okeanografii 30: 227-233) 1955. In Russian.
- PDL-34564 National Research Council, Canada. Canadian government specifications board  
SPECIFICATION FOR DUCK; COTTON, ROT RESISTANT AND LIGHT WATER RESISTANT TREATMENT. (Specification 4-GP-52B, and amendment no. 2) "Supersedes 4-GP-52A." 7 p. June 1956, September 1958.

- PDL-34717 Majors, Paul A.  
EVALUATION OF THE EFFECTIVENESS OF ANTI-BACTERIAL FINISHES FOR CLOTH. (In Am. Dyestuff Repr. 48:P91-P93) February 1959.
- PDL-34772 Chatterjee, H., and A.K. Mazumdar  
A NOTE ON THE DEGRADATION OF JUTE CELLULOSE ON STORAGE. (In Textile Research J. 29:282-283) March 1959.
- PDL-34813 Nopitsch, M., and D. Havenith  
DIE GELBFLECKENKRANKHEIT DER BAUMWOLLE. (Tr.: The yellow-spot disease of cotton) (In Melliand Textilber. 39:1268-1271) November 1958. Includes English summary.
- PDL-34836 Lusson, L.C.O., and J.A. Miller  
ACRYLONITRILE RESIN AS A MILDEW RESISTANT TREATMENT FOR CORDAGE AND COTTON FABRICS. (U.S. Naval Shipyard, Phila., Pa. Industrial test Laboratory. Evaluation report A2033; . . . (ASTIA Document) AD 203697) 10 p. September 1958.
- PDL-34941 Model, Ernst and Jakob Bindler  
FUNGICIDAL COMPOSITION COMPRISING 5-CHLOROSALICYLIC ACID AMYL-AMIDE. (Ernst Model, Basel, and Jakob Bindler, Riehen, near Basel, Switzerland, assignors to J.R. Geigy A-G., Basel, Switzerland, a Swiss firm. U.S. Pat. 2,861,916; November 25, 1958) 2 p.
- PDL-34964 Giordano, Anthony and William J. Straka  
MILDEWCIDE AND FLAMEPROOFING COMPOSITION AND PRODUCTS PRODUCED THEREFROM. (Anthony Giordano and William J. Straka, Cleveland, Ohio, assignors to the Harshaw Chemical Company, Cleveland, Ohio, a corporation of Ohio. U.S. Pat. 2,881,097; April 7, 1959) 4 p.
- PDL-35008 Smith, Warren W. (South Florida Test Service, Inc., Miami, Fla.)  
NATURAL WEATHERING AND INDOOR OPEN SHELF STORAGE EXPOSURE TESTING OF AIR FORCE FABRIC MATERIALS. (U.S. Wright Air Development Center. Technical report 58-502; . . . (ASTIA Document) AD 210226) 34 p. March 1959.
- PDL-35038 Polak, Jose  
SYNERGISTIC FUNGICIDAL MIXTURES OF CHLOROPHENOLS AND PYRONES FOR PRESERVING VEGETABLE FIBERS. (Jose Polak, Mexico City, Mexico assignor to Polaquimia, sociedad anonima de capital variable (s.a. de c.v.), Mexico City, Mexico. . . . U.S. Pat. 2,849,360; August 26, 1958) 3 p.
- PDL-35070 Miles, Thomas D., and Armando C. Delasanta  
QUALITATIVE CHROMATOGRAPHIC METHOD FOR IDENTIFYING MILDEW INHIBITORS ON MILITARY FABRICS. (In Am. Dyestuff Repr. 48:31-32) April 1959.
- PDL-35071 MacGregor, J.H.  
ACRYLONITRILE IN THE TEXTILE INDUSTRY. (In Soc. Dyers Colourists, J. 75:181-189) April 1959.

- PDL-35133 Mulcock, A.P.  
DISCOLORATION OF WOOL FIBRES BY A FUNGUS. (In Nature 183:1281-1282) May 1959.
- PDL-35171 Anderson, Earl V., and Albert S. Cooper, jr.  
PARTIALLY ACETYLATED (PA) COTTON. (In Ind. Eng. Chem. 51:608-614) May 1959.
- PDL-35181 Colwill, D.J.  
THE PROOFING OF TEXTILES AGAINST ATTACK BY INSECTS AND MICRO-ORGANISMS. (In Pesticides Abs. and News Summary 5 (Section A): 137-161) February 1959.
- PDL-35370 Koch, Paul August  
MIKROSKOPISCHER NACHWEIS VON SCHADIGUNGEN AN BAUMWOLLE. (Tr.: Microscopic detection of damage in cotton) (In Z. ges. Textil-Ind. 60:833-838) October 1958. Includes English summary.
- PDL-35376 Erwin, Donald C., and William C. Schnathorst  
YELLOW STAIN OF COTTON LINT CAUSED BY A FUNGUS. (California. Agricultural Experiment Station. Extension Service. Leaflet 110) 4 p. May 1959.
- PDL-35411 Riley, Malcolm W.  
ENGINEER'S GUIDE TO INDUSTRIAL TEXTILES. (In Materials in Design Eng. 50(1):115-130) July 1959.
- PDL-35426 Cohen, Sylvan I., and Martion S. Frant  
METHOD OF RENDERING TEXTILE MATERIALS FUNGICIDAL AND THE PRODUCTS THEREBY PRODUCED. (Sylvan I. Cohen, Flushing, and Martin S. Frant, Ossining, N.Y., assignors to Gallowhur Chemical Corporation, New York, N.Y., . . . U.S. Pat. 2,899,340; August 11, 1959) 3 p.
- PDL-35483 Miller, J.A., and H. Bell  
FUNGUS RESISTANCE OF TREATED CORDAGE. (U.S. Naval Shipyard, Phila., Pa. Industrial Test Laboratory. Evaluation-development report A2095) 12 p. August 1959.
- PDL-35517 Schefer, W., and D.A. Sinclair  
THE PHOTOCHEMICAL BREAKDOWN OF POLYESTER FIBRES. (National Research Council, Canada. Technical translation TT-812) (Textil-Rundschau 13:336-346 and 396-411, 1958, translated by D.A. Sinclair) 61 p. 1959.
- PDL-35531 Simpson, Marion Emma  
THE DECOMPOSITION OF CELLULOSE IN COTTON FIBER BY FUNGI OF THE GENUS ASPERGILLUS. 77 p. June 1959.
- PDL-35594 Chance, Leon H., Fred S. Perkerson and Oscar J. McMillan, jr.  
PHENOLIC-FORMALDEHYDE RESINS AS FINISHING AGENTS FOR COTTON FABRICS. (In Textile Research J. 29:558-564) July 1959.

- PDL-35650 Hanchette, J.L., and R.H. Beaumont  
DETERMINATION OF THE TYPE OF DAMAGE IN PAPERMAKER'S FELTS.  
(In Tappi 42:59-61) January 1959.
- PDL-35695 Molyneux, G.S.  
THE DIGESTION OF WOOL BY A KERATINOLYTIC BACILLUS. (In Australian  
J. Biol. Sci. 12:274-281) 2 plates, August 1959.
- PDL-35700 Simpson, Marion E., and Paul B. Marsh  
THE DECOMPOSITION OF CELLULOSE IN COTTON FIBER BY THE BLACK  
ASPERGILLI. (In Plant Disease Repr. 43:1042-1047) September  
1959.
- PDL-35705 Pritchard, James E.  
PARASITICIDES, THEIR PREPARATION AND USE. (James E. Pritchard,  
Bartlesville, Okla., assignor to Phillips Petroleum Company,  
a corporation of Delaware. U.S. Pat. 2,875,097; February 24,  
1959) 5 p.
- PDL-35751 Shelanski, Morris V., and Karl L. Gabriel (Industrial Biology  
Research and Testing Laboratories, Inc., Phila., Pa.)  
CUTANEOUS TOXICITY EVALUATION OF AIR FORCE DEVELOPMENT MATERIALS.  
3., (U.S. Wright Air Development Center. Technical report  
59-124; U.S. Office of Technical Services. Publication board  
(series). PB 151910; . . . (ASTIA Document) AD 215535) 6 p.  
June 1959.
- PDL-36189 Reinhardt, Robert M., J. David Reid, Terrence W. Fenner and  
Ruth Y. Mayne  
PARTIALLY CARBOXYMETHYLATED COTTON AS AN INTERMEDIATE FOR FURTHER  
CHEMICAL MODIFICATION. (In Textile Research J. 29:802-810)  
October 1959.
- PDL-36273 Rose, Grace R.G., Jane B. Howdon and C.H. Bayley  
OBSERVATIONS ON THE USE OF COPPER FORMATE AS A ROTPROOFER FOR  
COTTON FABRIC. (In Textile Research J. 29:996-1005) December  
1959.
- PDL-36505 ROT-RESISTANT FINISHES FOR COTTON. (In Textile Research J. 30:  
68-71) January 1960.
- PDL-36519 Howard, John W., and Frank A. McCord  
COTTON QUALITY STUDY. IV. RESISTANCE TO WEATHERING. (In Textile  
Research J. 30:76-117) February 1960.
- PDL-36520 McMillan, O.J., jr., J.D. Guthrie and E.F. Pollard  
CHEMICAL MODIFICATION OF COTTON: AMINIZATION COST STUDY. (In Am.  
Dyestuff Repr. 48:37-38) August 1959.
- PDL-36606 Yeager, Charles C., and Jay C. Cnapin (Scientific Oil Compounding Co.)  
TREATMENT OF COTTON FABRIC WITH FORMULATIONS OF 2,2'-DIHYDROXY  
5,6'-DIFLUORODIPHENYL SULFIDE. (U.S. Wright air development  
center. Technical report 59-703) 14 p. January 1960.

- PDL-36627 Porter, Blanche R., Jarrell H. Carra, Verne W. Tripp, and Mary L. Rollins  
EFFECT OF CELLULASE ON COTTON FIBER MICRO-STRUCTURE. PART I. DEGRADATION BY CELLULASE IN FUNGAL GROWTH FILTRATES. PART II. DEGRADATION DURING GROWTH OF CELLULOLYTIC MICROORGANISMS. (In Textile Research J. 30:249-267) April 1960.
- PDL-36637 McMillan, O.J., jr., K.M. Decossas, W.N. Berard, W.A. Reeves, S.F. Pollard, and E.L. Patton  
FORMIC ACID COLLOID OF METHYLOLMELAMINE RESIN TREATMENT OF COTTON: PRELIMINARY COST STUDY. (In Am. Dyestuff Reprtr. 49:31-32) March 1960.
- PDL-36675 Nitschke, Gerd.  
DEHNUNGSCHARAKTERISTIK ALS NACHWEIS MIKROBIOLOGISCHER SCHÄDEN AN WOLLE. (Tr.: Extension characteristics as indication of microbiological damage to wool) (In Textil-Praxis 14:813-819) August 1959.
- PDL-36712 Keller, G.W.  
VERMEIDUNG VON PILZ- UND BAKTERIENBEFALL IN DER MONSUNZEIT IN TROPISCHEN ZONEN. (Tr.: Prevention of fungal and bacterial attack during the monsoon time in tropical districts) (In Melliand Textilber. 40:674-676) June 1959.
- PDL-36939 Foter, Milton J.  
DISINFECTANTS FOR BEDDING. (In Soap Chem. Specialties 36(5):127-133) May 1960.
- PDL-36955 Sakornbut, Songe S.  
PRESERVATIVE COMPOSITION COMPRISING TETRA-ALKALI METAL-PYROPHOSPHATE, A POLYCHLOROPHONATE AND A HEAVY METAL SALT. (Songe S. Sakornbut, Kirkwood, Mo., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware. U.S. Pat. 2,904,466; September 15, 1959) 3 p.
- PDL-37005 Richter, Karl-Heinz  
FASERSCHÄDIGUNGEN DURCH PILZE. (In Deut. Textiltech. 9:555-559) October 1959.
- PDL-37214 Frasch, Jean  
PRODUIT PROTECTEUR. (Tr.: Protective product) (France Pat. 1,099,015; August 29, 1955) 4 p.
- PDL-37216 Bottoms, Robert R.  
PRESERVATION OF CELLULOSIC MATERIALS AGAINST ORGANIC AGENTS OF DECAY. (Robert R. Bottoms, Crestwood, Kentucky, U.S.A., assignor to National cylinder gas company, Chicago, Ill., Canada. Patent Office. Patent no. 673,290; March 31, 1959) 7 p.

PDC Search No. 62-051

- PDL-37480 Yeager, Charles C.  
FUNGICIDES AND BACTERICIDES: THEIR APPLICATIONS AND USES. (In  
Can. Textile J. 76(26):42-46) December 1959.
- PDL-37501 Storvick, Waldemar O., and Kendall W. King  
THE COMPLEXITY AND MODE OF ACTION OF THE CELLULASE SYSTEM OF  
CELLVIBRIO GILVUS. (In J. Biol. Chem. 235:303-307) February  
1960.
- PDL-37630 Furry, Margaret S.  
HOW TO PREVENT AND REMOVE MILDEW, HOME METHODS. (U.S. Dept. of  
Agriculture, Home and Garden Bulletin No. 68) "Supersedes  
Leaflet 322". 14 p. June 1960.
- PDL-37793 Siu, R.G.H.  
BIOLOGICAL PERSPECTIVES IN TEXTILE RESEARCH. (In Textile Inst.,  
J. 51:P439-P449) August 1960.
- PDL-37827 Baskin, A. David and Arthur M. Kaplan  
MICROBIOLOGICAL PROCESS DISCUSSION. AN APPROACH TO THE KINETICS  
OF MICROBIOLOGICAL DETERIORATION. (In Applied Microbiol. 8:  
315-321) September 1960.
- PDL-37945 Potapova, K.K., and B. Yanovskaya  
STUDY OF THE DAMAGE TO COTTON FIBRES BY VARIOUS MICROORGANISMS.  
(In Izvestia Vysshikh Uchebnykh Zavedenii; Tekhnologiya  
Tekstil'noi Promyshlennosti 5(12):23-25) 1959. In Russian.
- PDL-38078 Youatt, G.  
SOME FACTORS INFLUENCING THE BREAKDOWN OF CELLULOSE BY BACTERIA.  
(In Australian J. Biol. Sci. 13:188-195) May 1960.
- PDL-38197 Mandels, Mary and Elwyn T. Reese  
INDUCTION OF CELLULASE IN FUNGI BY CELLOBIOSE. (In J. Bacteriol.  
79:816-826) June 1960.
- PDL-38220 Jacks, H.  
A NOTE ON FUNGI ISOLATED FROM STAINED WOOL. (In Wool 3(1):63)  
1958-1959.
- PDL-38237 Basu, S.N., and S.N. Ghose  
THE PRODUCTION OF CELLULASE BY FUNGI ON MIXED CELLULOSIC SUB-  
STRATES. (In Can. J. Microbiol. 6:265-282) June 1960.
- PDL-38412 Raes, G., A. Nicolaus and T. Franssen  
EVALUATION DE L'IMPORTANCE DE L'ATTAQUE MICROBIOLOGIQUE DU COTON  
ET MESURE DE L'INTENSITE DE LA DEGRADATION. (Tr.: Evaluation  
of the degree of microbiological attack on cotton and measure-  
ment of the intensity of degradation) (In Ann. Sci. Textiles  
Belges no. 4:32-52) December 1959. Includes English summary.

- PDL-38715 Tucker, S.G.  
PREFABRICATED AIRFIELD AND ROAD SURFACING MEMBRANES; TORRID ZONE STORAGEABILITY TESTS, 1954-1957. (U.S. Corps of engineers. Waterways experiment station, Vicksburg, Miss. Technical report 3-515, report 2; . . . PB 16189) 18 p. May 1960.
- PDL-38741 Geigy (J.R.) aktiengesellschaft, Basle, Switz.  
IMPROVEMENTS RELATING TO FUNGICIDAL COMPOSITIONS AND THEIR USE. (Gt. Brit. Pat. specification 830,902; March 23, 1960) 7 p.
- PDL-38744 Goodrich (B.F.) Company, New York, N.Y.  
QUATERNARY AMMONIUM XANTHATES. (Gt. Brit. Pat. specification 823,395; November 11, 1959) 5 p.
- PDL-38759 Moran, J.J.  
STUDIES ON THE PROPERTIES OF BACTERICIDES AND FUNGICIDES. (In Can. Textile J. 77(11):51-53) May 1960.
- PDL-38766 Bochove, Cornelis van and Hendrik J. Hueck  
PROCESS FOR MAKING CELLULOSE MATERIALS ROTPROOF. (Cornelis van Bochove, The Hague, and Hendrik J. Hueck, Delfgauw, Netherlands, assignors to Nederlandse Organisatie voor Toegepast-Natuurwetenschappelijk Onderzoek ten behoeve van Nijverheid, Handel en Verkeer, The Hague, Netherlands. U.S. Pat. 2,938,815; May 31, 1960) 3 p.
- PDL-38957 Indian Standards Institution, New Delhi  
METHOD FOR DETECTION AND ESTIMATION OF DAMAGE IN COTTON FABRICS DUE TO MICRO-ORGANISMS. (Indian Standard IS:1316-1958) 6 p. September 1959.
- PDL-39037 Fraser, I.E.B., and E.V. Truter  
BACTERIAL DISCOLORATION OF WOOL. (In Textile Inst., J. 51(Part I):T857-T862, Discussion p. T873-T875) Decembe. 1960.
- PDL-39129 Permachem Corporation, West Palm Beach, Florida  
ORGANO-TIN DISPERSIONS. (Gt. Brit. Pat. specification 838,722; June 22, 1960) 6 p.
- PDL-39379 Geigy (J.R.) Aktiengesellschaft, Basle, Switz.  
IMPROVEMENTS RELATING TO FUNGICIDAL AGENTS AND THEIR USE. (Gt. Brit. Pat. specification 834,576; May 11, 1960) 4 p.
- PDL-39382 Permachem Corporation, West Palm Beach, Florida  
GERMICIDAL ARTICLE. (Gt. Brit. Pat. specification 835,927; May 25, 1960) 7 p. Inventor: William Hermann Hill
- PDL-39493 Gascoigne, J.A., and Margaret M. Gascoigne  
BIOLOGICAL DEGRADATION OF CELLULOSE. (London, Butterworths, 1960) 264 p.

- PDL-39615 Maisel, Herbert  
A PROCEDURE FOR FITTING AN EXPONENTIAL FUNCTION TO DATA DESCRIBING THE EFFECTS OF MICROBIOLOGICAL ATTACK ON COTTON DUCK FABRIC. (U.S. Office of the quartermaster general. QM operational mathematics series report 3) 21 p. December 1959.
- PDL-39741 Gascoigne, J.A.  
THE BIOLOGICAL CHEMISTRY OF CELLULOSE. (In Soc. Dyers Colourists, J. 77:53-57) February 1961.
- PDL-39792 Hueck, H.J., and La Brijn, J.  
DIE SCHIMMELFESTE AUSRÜSTUNG VON BAUMWOLLE MIT PENTACHLORPHENOL UND LAURYL-PENTACHLORPHENOL. (Tr.: Mouldproofing of cotton with pentachlorophenol and laurylpentachlorophenol) (Zentral-laboratorium T.N.O., Delft, Neth. Nr. 98) 6 p. 1960.
- PDL-39795 Rothbaum, H.P.  
HEAT OUTPUT OF THERMOPHILES OCCURRING ON WOOL. (In J. Bacteriol. 81:165-171) February 1961.
- PDL-39958 Arthur, Wilfred John  
PROCESS FOR THE TREATMENT OF CELLULOSIC MATERIALS TO PREVENT DETERIORATION AND DECAY. (Wilfred John Arthur, Charleston, W. Va., assignor to E.I. du Pont de Nemours and Company, Wilmington, Del., . . . U.S. Pat. 2,976,183; March 21, 1961.) 3 p.
- PDL-40063 American Cyanamid Company, New York, N.Y.  
THE PRODUCTION OF SYNTHETIC AND PROTEINACEOUS TEXTILE FABRICS HAVING ANTIBACTERIAL PROPERTIES. (Gt. Brit. Pat. specification 842,217; July 20, 1960) 4 p.
- PDL-40064 Kosmin, Milton  
COPPER CHELATE COORDINATION COMPLEXES. (Milton Kosmin, Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware. U.S. Pat. 2,977,279; March 28, 1961.) 5 p.
- PDL-40065 Brysson, Ralph J., and Wilson A. Reeves  
METALLIC SELENIDE FUNGICIDES FOR OUTDOOR CELLULOSIC TEXTILES. (Ralph J. Brysson, New Orleans, and Wilson A. Reeves, Metairie, La., assignors to United States of America as represented by the Secretary of Agriculture. U.S. Pat. 2,977,250; March 28, 1961) 2 p.
- PDL-40083 Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning, Frankfurt, Germany  
VERFAHREN ZUR AUSLAUGEBESTÄNDIGEN IMPRÄGNIERUNG VON DURCH PILZ- UND INSEKTENBEFALL GEFÄHRDETEM HOLZ, HOLZWERKSTOFFEN UND TEXTILIEN. (Tr.: Fungicidal impregnants, stable to leaching, for wood and textiles) (Germany. Patentamt. Patentschrift Nr. 1,021,158) Inventors: Helmut Klug and Fritz Herbold 3 p. December 19, 1957.



- PDL-40127      Compagnie française des matières colorantes, France (Seine)  
 NOUVELLES COMPOSITIONS FONGICIDES ET LEUR APPLICATION A LA  
 PROTECTION DES TEXTILES. (Tr.: Fungicides for protection  
 of textiles) (France. Service de la propriété industrielle.  
 Brevet d'invention no. 1,189,594) Inventors: Gerard Mangeney  
 and Jacques Pechmeze. 3 p. October 5, 1959.
- PDL-40216      Maxwell, Helen H.  
 A REVIEW OF THE AIR FORCE MATERIALS RESEARCH AND DEVELOPMENT  
 PROGRAM. (U.S. Wright air development center. Technical  
 report 53-373, supplement 6; . . . PB 111648S5; . . .  
 ASTIA Document AD 229675) 163 p. November 1959.
- PDL-40345      McCants, James F.  
 PRESERVATIVE COMPOSITION FOR CELLULOSIC MATERIALS COMPRISING  
 HEAVY METAL SOAPS. (James F. McCants, Tulsa, Okla.,  
 assignor to Pan American Petroleum Corporation, a corporation  
 of Delaware. U.S. Pat. 2,951,789; September 6, 1960.) 3 p.
- PDL-40349      Martin, K.G.  
 DETERIORATION OF BITUMINOUS ROOFING FABRICS. (Australia. Common-  
 wealth scientific and industrial research organization. Divi-  
 sion of building research. Technical paper 11) 11 p. 1961.
- PDL-40447      Hueck, H.J., and J. La Brijn  
 DIE SCHIMMELFESTE AUSRÜSTUNG VON BAUMWOLLE MIT PENTACHLORPHENOL  
 UND LAURYL-PENTACHLORPHENOL. (Tr.: Pentachlorophenol and dode-  
 cypentachlorophenol as mildew preventives for cotton) (In  
Textil-Rundschau 15:467-472) September 1960.
- PDL-40551      Hausam, W.  
 DIE AUSRÜSTUNG VON TEXTILIEN MIT KONSERVIERUNGS- UND IMPRÄGNIERUNGS-  
 MITTELN UND IHRE ZWECKMÄSSIGE PRÜFUNG GEGENÜBER ZELLULOSEANGREI-  
 FENDEN MIKROBEN. IV. MITT.: WEITERE VORSCHLÄGE FÜR STANDARDISIERTE  
 PRÜFMETHODEN. (Tr.: Finishing of textiles with preservatives  
 and the testing of the resistance to cellulose-attacking microbes.  
 IV. Suggested standard method) (In Melliand Textilber. 41:1563-  
 1569) December 1960.
- PDL-40598      Caplan, H., and J.C. Dickinson  
 DAMAGE TO WOOL BLANKETS BY REPEATED DISINFECTION BY FORMALDEHYDE  
 VAPOUR IN VACUO AT MODERATELY RAISED TEMPERATURES. (In  
Textile Inst., J. 52:T248-T250) May 1961.
- PDL-40607      NEW TENTAGE MATERIAL DEVELOPED. (In Can. Textile J. 77(18):43-44)  
 September 1960.
- PDL-40640      Lünenschloss, J., and H. Stegherr  
 DER EINFLUSS DER BEWETTERUNG AUF DIE EIGENSCHAFTEN DER VERSCHIEDENEN  
 TEXTILEN FASERSTOFFE. (Tr.: The influence of weathering on  
 the properties of a number of different textile fabrics. (In  
Textil-Praxis 15:931-939) September 1960. Includes English Summary

- PDL-40641 Lunenschloss, J., and H. Stegherr  
DER EINFLUSS DER BEWETTERUNG AUF DIE EIGENSCHAFTEN DER VERSCHIEDENEN TEXTILEN FASERSTOFFE (II). (Tr.: The influence of weathering on the properties of the various textile fibrous materials II) (In Textil-Praxis 15:1011-1017) October 1960. Includes English summary.
- PDL-40642 Lunenschloss, J., and H. Kurth  
DER EINFLUSS DER BEWETTERUNG AUF DIE EIGENSCHAFTEN DER VERSCHIEDENEN TEXTILEN FASERSTOFFE (III) (Tr.: Influence of weathering on the properties of the various textile fibers (III)) (In Textil-Praxis 15:1146-1150) November 1960. Includes English summary.
- PDL-40741 Ichishima, Kimi  
STUDIES OF MICRO-ORGANISMS GROWING ON CLOTH (PART 8). (In Kasei-gaku Zasshi 11(1):40-43) 1960. In Japanese.
- PDL-41033 Selby, K.  
THE DEGRADATION OF COTTON CELLULOSE BY THE EXTRACELLULAR CELLULASE OF MYROTHECIUM VERRUCARIA. (In Biochem. J. 79:562-566) June 1961.
- PDL-41058 Leatherland, Lawrence C.  
AQUEOUS METASTABLE DISPERSION OF TETRAVALENT ORGANO-TIN COMPOUNDS TREATING PROCESS. (Lawrence C. Leatherland, Columbus, Ohio, assignor, by mesne assignments, to Permachem corporation, West Palm Beach, Fla., a corporation of Florida. U.S. Pat. 2,957,785; October 25, 1960. Certificate of correction appended. 9 p.
- PDL-41114 Ernst, W., and M. Sorkin  
ZUR PRUFUNG BAKTERIENHEMMENDER GEWEBE. (In Textil-Rundschau 15: 233-238) May 1960. (Tr.: Testing of bacteriostatic fabrics)
- PDL-41190 Steinfatt, F.  
BEITRAG ZUM MIKROBIOLOGISCHEN WIRKSTOFF-NACHWEIS IN ANTIMIKROBIELL AUSGERUSTETEN TEXTILIEN. (In Melliand Textilber. 41: 1573-1574) December 1960. (Tr.: Microbiological detection of active substance in textiles proofed against micro-organisms III)
- PDL-41220 Plenderleith, H.J., and P. Philippot  
CLIMATOLOGIE ET CONSERVATION DANS LES MUSEES. (Tr.: Climatology and conservation in museums) (In Centre international d'etudes pour la conservation et la restauration des biens culturels, Rome. Travaux et publications III) 88 p. 1960.
- PDL-41261 Commercial solvents corporation, New York, N.Y.  
IMPROVEMENTS IN OR RELATING TO PROTECTING FABRICS. (Gt. Brit. Pat. specification 858,811; January 16, 1961) 4 p.

- PDL-34563 National research council, Canada. Canadian specifications board  
SPECIFICATION FOR DUCK;COTTON, LIGHT ROT RESISTANT TREATMENT.  
(Specification 4-GP-51B, and amendment no. 1) Supersedes  
4-GP-51A. 6 p. June 1956, June 1958.
- PDL-41264 Shell research limited, London  
NOVEL TRIAZINE DERIVATIVES, THEIR PREPARATION AND COMPOSITIONS  
CONTAINING THEM. (Gt. Brit. Pat. specification 857,166;  
December 29, 1960) Inventor: Helen Margaret Higson. 6 p.
- PDL-41266 Compagnie Francaise des matieres colorantes, Paris  
NEW WATER-SOLUBLE COMPLEXES OF 8-HYDROXY-QUINOLINE AND A PROCESS  
FOR THEIR PREPARATION. (Gt. Brit. Pat. specification 849,275;  
September 21, 1960) 4 p.
- PDL-41267 Merck (E) Aktiengesellschaft, Darmstadt, Germany  
NEW DITHIA-ANTHRACENE DERIVATIVES AND FUNGICIDAL COMPOSITIONS  
CONTAINING THEM. (Gt. Brit. Pat. specification 857,383;  
December 29, 1960) 3 p.
- PDL-41504 McGraw-Hill Book Company, New York, N.Y.  
HANDBOOK OF FIBROUS MATERIALS. (U.S. Wright air development  
Division. Technical report 60-584; . . . (ASTIA document)  
AD 249782) 474 p. October 1960.
- PDL-41585 Din-Dzian  
STIMULATION BY A BACTERIUM SATELLITE OF CELLULOSE DECOMPOSITION  
CAUSED BY ACTINOMYCES. (In Izvest. Akad. Nauk S.S.S.R. Ser.  
Biol. no. 5:760-764) September/October 1959. In Russian  
with English summary.
- PDL-41593 Hauptschein, Murray  
4-TRIFLUOROMETHYLSALICYLAMIDES. (Murray Hauptschein, Glenside,  
Pa., assignor to Pennsalt Chemicals Corporation, Phila., Pa.,  
a corporation of Pennsylvania. U.S. Pat. 2,967,194; Jan. 3,  
1961. Certification of correction appended. 2 p.
- PDL-41596 Collins, R.J., and B.E. Furkiss  
THE APPLICATIONS OF DICHLOROPHEN IN THE TEXTILE INDUSTRY. (In  
Textile Mfr. 86:239-245) June 1960.
- PDL-41639 Rochas, P., and S. Pierret  
SUR LA DETERMINATION DE LA PERTE A LA SOUDE DE LA SOIE SELON  
LA METHODE OKU ET SHIMIZU. (In Inst. Textile France, Bull.  
No. 92:101-106) January/February 1961) Includes English  
summary.
- PDL-41689 Krasil'nikov, N.A., R.A. Zhukova and V.B. Yashish  
ON THE USE OF ANTIBIOTICS FOR PROTECTING FIBROUS EXTERIORS OF  
UNDERGROUND POWER CABLES FROM DESTRUCTION BY MICROORGANISMS.  
(In Microbiology 29:324-326) November/December 1960. Transla-  
tion of Mikrobiologiya. USSR.

- PDL-41761 Klein, Elias and Pieter Harbrink  
PRODUCTION OF STRONG, ROT-RESISTANT BENZYL CELLULOSE FIBERS.  
(Elias Klein, Mobile, Ala., and David J. Stanonis and  
Pieter Harbrink, New Orleans, La., assignors to the United  
States of America as represented by the Secretary of Agri-  
culture. U.S. Pat. 2,990,234; June 27, 1961) 3 p.
- PDL-41783 Bruce, F.C., B.P. Hunt, R.E. Isley and E.E. Stahly  
DEVELOPMENT OF OZONE RESISTANT POLYMERS WITH LOW HYSTERESIS.  
(Burke Research Company, Van Dyke, Mich., Report No. 11;  
. . . (ASTIA Document) AD 250505) 85 p. October 1960.
- PDL-41787 Prins-van der Meulen, P.Y.F.  
ENZYMATIC DEGRADATION OF COTTON CELLULOSE. (Central Laboratory  
T.N.O., Delft, Neth. Report Nr. CL 61/40; . . . (ASTIA  
Document) AD 257975) 47 p. April 1961.
- PDL-41834 Russell, A.B., and W.R. Hindson  
THE USE OF BURSTING STRENGTH IN ASSESSING RESISTANCE OF TEXTILES  
TO FUNGAL ATTACK. (In Textile Inst., J. Trans. 52:T428-T430)  
September 1961.
- PDL-41956 Hall, A.J.  
RESINS FOR THE PROTECTION OF TEXTILE MATERIALS AGAINST ATTACK  
BY MICRO-ORGANISMS. (In Textile Recorder 78(937):52-55)  
April 1961.
- PDL-41958 National Research Council, Canada  
THE COMMONWEALTH TEXTILE EXPOSURE PROJECT OF 1953. PART I:  
THE PLAN AND GENERAL OUTCOME. Prepared by C.H. Bayley  
and G.R.F. Rose, for presentation at Seventh Commonwealth  
Defence conference on clothing and general stores. United  
Kingdom. 52 p. 1961.
- PDL-42006 Woods, W.A.  
METHOD OF CALCULATING LIQUID FLOW FLUCTUATIONS IN ROCKET MOTOR  
SUPPLY PIPES. (In ARS (Am. Rocket Soc.), J. 31:1560-1567)  
November 1961.
- PDL-42010 Molyneux, G.S.  
A MORPHOLOGICAL AND HISTOCHEMICAL STUDY OF THE BACTERIAL DEGRADA-  
TION OF WOOL FIBRES IN VIVO. (In Australian J. Biol. Sci. 14:  
440-447, 6 plates) August 1961.
- PDL-42013 Ruperti, Andreas  
PERMANENT ROTPROOFING OF CELLULOSIC FIBERS BY THE WET FIXATION  
OF RESIN PRECONDENSATES. (In Am. Dyestuff Repr. 50:762-765)  
October 1961.
- PDL-42184 Miles, Thomas D., Armando C. Delsanta and Joseph C. Barry  
PAPER CHROMATOGRAPHIC METHOD FOR THE QUANTITATIVE DETERMINATION  
OF COPPER AND ZINC 8-QUINOLINOLATES. (In Anal. Chem. 33:  
685-687) May 1961.

- PDL-42349 Institut textile de France, (Seine), France  
PROCEDE POUR L'AMELIORATION DES MATERIAUX CELLULOSIQUES.  
(Tr.: Fungicidal treatment of cellulosic materials)  
(France Pat. 1,226,622; July 13, 1960) Inventors: Andre'  
Parisot and Jacques Cyrot. 2 p.
- PDL-42425 Bateman, J.B., Patricia A. McCaffrey, R.J. O'Connor and G.W.  
Monk  
RELATIVE HUMIDITY AND THE KILLING OF BACTERIA. THE SURVIVAL OF  
DAMP SERRATIA MARCESCENS IN AIR. (In Applied Microbiol. 9:  
567-571) November 1961.
- PDL-42555 Gascoigne, J.A.  
INDUSTRIAL SIGNIFICANCE OF THE MICROBIAL BREAKDOWN OF CELLULOSE.  
(In Chemistry and Industry No. 21:693-696) May 1961.
- PDL-42653 Chemische Werke Witten G.m.b.H., Witten-Ruhr, Germany  
IMPROVEMENTS IN OR RELATING TO IMPREGNATING COMPOSITIONS. (Gt.  
Brit. Pat. specification 855,718; December 7, 1960) 2 p.
- PDL-42665 Sesoko, Masatsune  
A METHOD OF PRODUCING CELLULOSE ACETATE FIBRES HAVING AN ABILITY  
TO INHIBIT THE GROWTH OF MICROBES. (Gt. Brit. Pat. specifica-  
tion 862,515; March 8, 1961) 2 p.
- PDL-42736 Nitschke, G.  
UNTERSUCHUNGEN UBER DIE ANWENDUNG VON CHROMSALZEN ZUR VERBESSERUNG  
DER RESISTENZ DER WOLLE GEGEN FEUCHTIGKEIT UND MIKROBIOLOGISCHE  
EINWIRKUNGEN. (Tr.: Investigations on the use of chrome salts  
to improve the resistance of wool to moisture and microbiological  
attack) (In Melliand Textilber. 42:818-821; 941-943) July,  
August 1961.
- PDL-42759 Quinn, Herbert  
A METHOD FOR THE DETERMINATION OF THE ANTIMICROBIAL PROPERTIES OF  
TREATED FABRICS. (In Applied Microbiol. 10:74-78) January  
1962.
- PDL-43001 Gagliardi, D.D.  
ANTIBACTERIAL FINISHES. (In Am. Dyestuff Repr. 51:P49-P58)  
January 1962.
- PDL-43040 Katsuki, Kuniyoshi and Masahiko Masuda  
EFFECT OF ULTRAVIOLET RAYS AND MICROBES ON DETERIORATION OF  
TEXTILE BRAIDING FOR ELECTRIC WIRES. (In Furukawa Elec. Rev.  
(Japan) no. 25:24-27) April 1961. In Japanese with English  
summary.
- PDL-43180 McNeil, Ethel  
DETECTION AND EVALUATION OF ANTIBACTERIAL ACTIVITY OF TREATED  
FABRICS. (In Am. Dyestuff Repr. 51:P121-P124) February  
1962.

- PDL-43138 Rogers, Morris R. and Arthur M. Kaplan  
THE NECESSITY FOR SCOURING THE "STANDARD" BLUE-LINE COTTON  
FABRIC. (In Textile Research J. 32:161-162) February 1962.
- PDL-43181 McNeil, Ethel C.  
EVALUATION OF ANTIBACTERIAL FINISHES ON FABRICS; TEXTATIVE TEST  
METHOD 100 - 1961T. (In Am. Dyestuff Repr. 51:P136-P137)  
February 1962.
- PDL-43199 Kempton, A.G., M. Greenberger and A.M. Kaplan  
A CRITICAL COMPARISON OF AVAILABLE METHODS FOR THE SPECTRO-  
PHOTOMETRIC DETERMINATION OF MICRO-AMOUNTS OF COPPER IN TEX-  
TILES. (In Textile Research J. 32:128-135) February 1962.
- PDL-43200 Kaizerman, S., G. Mino and L.F. Meinhold  
THE POLYMERIZATION OF VINYL MONOMERS IN CELLULOSIC FIBERS. (In  
Textile Research J. 32:136-140) February 1962.
- PDL-43238 Youatt, G.  
THE S FACTOR IN THE ENZYMIC HYDROLYSIS OF CELLULOSE. (In Textile  
Research J. 32:158-160) February 1962.
- PDL-43386 Weaver, Leo J.  
FUNGUS RESISTANT SHEET MATERIAL AND METHOD OF MAKING THE SAME.  
(Leo J. Weaver, Creve Coeur, Mo., assignor to Monsanto  
Chemical Company, St. Louis, Mo., a corporation of Delaware.  
U.S. Pat. 3,012,909; December 12, 1961) 2 p.
- PDL-43463 Kirkina, L.I., and P.A. Simigin  
PROTECTION OF CELLULOSIC MATERIALS AGAINST DESTRUCTION BY MICRO-  
ORGANISMS IN TROPICAL CLIMATES. (In Tekstil. Prom. 21(7):  
58-62) 1961. In Russian.
- PDL-43464 Gusakova, L.G., and K.A. Viss-Mudretsova  
PERMANENT BACTERICIDAL FINISHES. (In Tekstil. Prom. 21(4):48-  
49, 4 plates) April 1961. In Russian.
- PDL-43908 Ciba Limited, Basle, Switz.  
PROCESSES FOR THE PROTECTION OF FIBROUS CELLULOSIC MATERIAL  
FROM ATTACK BY MICROORGANISMS. (Gt. Brit. Pat. specification  
863,514; March 22, 1961) 3 p.
- PDL-44219 LONGER LIFE FOR COTTON AWNINGS SEEN FROM SRRL DEVELOPMENTS. (In  
Am. Dyestuff Repr. 51:68) May 1962.
- PDL-44698 Wagner, George M.  
TREATMENT OF CELLULOSIC MATERIALS TO RESIST FUNGICIDAL ATTACK.  
(George M. Wagner, Lewiston, N.Y., assignor to Olin Mathieson  
Chemical Corporation, a corporation of Virginia. U.S. Pat.  
3,018,196; January 23, 1962) 2 p.

- PDL-44935 King, Kendall W.  
MICROBIAL DEGRADATION OF CELLULOSE. (Virginia Polytechnic Institute, Blacksburg. Technical bulletin 154) 55 p. December 1961.
- PDL-44944 Schaffner, Hans  
ROT-, MILDEW- AND BACTERIA-PROOFING AND TESTING. (In Textil-Praxis (International Edition) No. 4:177-179) December 1961.
- PDL-44991 Chakravarty, T., R.G. Bose and S.N. Basu  
FUNGI ASSOCIATED WITH THE DETERIORATION OF JUTE FABRICS IN WEATHER EXPOSURE AND IN STORAGE. (In Textile Inst., J. Trans. 53:T354-T355) July 1962.
- PDL-44995 Basu, S.N. and Rekha Ghose  
A MICROSCOPICAL STUDY ON THE DEGRADATION OF JUTE FIBER BY MICRO-ORGANISMS. (In Textile Research J. 32:677-694) August 1962.
- PDL-45000 Kempton, A.G., M. Greenberger and A.M. Kaplan  
ESTIMATION OF COPPER-CONTAINING FUNGICIDES ON COMMERCIALY TREATED COTTON TEXTILES BY THE RUBEANIC ACID METHOD. (In Am. Dyestuff Repr. 51:619-621) August 1962.
- PDL-45248 Smith, James L., and Robert C. Harrington, jr.  
SYNTHETIC FIBERS AND FABRICS HAVING MICROBICIDAL ACTIVITY. (James L. Smith and Robert C. Harrington, jr., Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N.Y., a corporation of New Jersey. U.S. Pat. 3,034,957; May 15, 1962) 3 p.
- PDL-45352 Kulkarni, A.Y., and P.C. Mehta  
ROT RESISTANCE OF PAN GRAFTED CELLULOSIC FABRICS. (In Textile Research J. 32:701-702) August 1962.
- PDL-45544 Chakravarty, T., R.G. Bose and S.N. Basu  
FUNGI GROWING ON JUTE FABRICS DETERIORATING UNDER WEATHER EXPOSURE AND IN STORAGE. (In Applied Microbiol. 10:441-447) September 1962.

PART II  
EFFECTS OF LIGHT & WEATHERING



- A-227(1)      Siu, Ralph G.H., and W. Lawrence White  
THE MICROBIOLOGICAL DEGRADATION OF COTTON FABRICS. INVESTIGATIONS CONDUCTED AT THE QUARTERMASTER TROPICAL DETERIORATION LABORATORY. (U.S. Quartermaster Corps. Military planning division. Research and development branch. Microbiological series, report 1; Textile series, report 6; U.S. Office of technical services. Publication board series. PB 322339) 64 p. December 1945.
- A-227(2)      Wagner, R.P., Harold H. Webber and Ralph G.H. Siu  
THE EFFECT OF ULTRAVIOLET LIGHT ON COTTON CELLULOSE AND ITS INFLUENCE ON SUBSEQUENT DEGRADATION BY MICRO-ORGANISMS. (U.S. Quartermaster corps. Military planning division. Research and development branch. Microbiological series, report 2; Textile series, report 7; U.S. Office of technical services. Publication board series. PB 23340) 66 p. March 1946.
- A-227(3)      Reese, Elwyn T.  
STUDIES ON THE EFFECT OF AERATION AND NUTRITION ON CELLULOSE DECOMPOSITION BY CERTAIN BACTERIA. (U.S. Quartermaster corps Military planning division. Research and development branch. Microbiological series, report no. 3) 32 p. March 1946.
- A-354          Yeager, Charles C.  
SIX MONTHS LIBERIAN EXPOSURE TEST OF COPPER 8 - QUINOLINOLATE TREATED COTTON DUCK. (U.S. Air Materiel Command. Engineering division. Materials laboratory, Memorandum report, serial TSEAM-M5313) 9 p. February 1947.
- A-888          Grubb, R., and S. Schneider  
REPORT OF OUTDOOR EXPOSURE TESTS CONDUCTED ON CANVAS, COTTON; FIRE, WATER, AND WEATHER RESISTANT, SUBMITTED BY VARIOUS EXHIBITORS. (U.S. Naval base, Philadelphia, Pa. Industrial Test Laboratory report no. 6007) 26 p. June 1948.
- A-899          Horigan, Francis D., and Cary R. Sage  
THE SERVICEABILITY OF FABRICS, A LITERATURE SURVEY, . . . (U.S. Quartermaster depot, Philadelphia, Pa. research and development laboratories. Technical library. Bibliographic series. No. 13; U.S. Office of technical services. Publication board series. PB 110281) 52 p. 1950.
- A-991          Herbein, S.D., and W.H. Quinlan  
WEATHERING TESTS ON CORDAGE AT SOUTHERN REGIONAL LABORATORY, NEW ORLEANS (DEPT. OF AGRICULTURE). (U.S. Naval Shipyard, Boston, Mass. Materials laboratory report no. 9671) 7 p. February 1949.
- A-1133        Yelland, W.E.C.  
DEGRADATION FROM WEATHERING OF TENTAGE FABRICS. (U.S. Quartermaster corps. Military planning division. Research and development branch; Textile series, report no. 40; U.S. Office of Technical services. Publication board series. PB 105767) 147 p. September 1951.

- A-1233 Bakanauskas, Sam  
WEATHERING CHARACTERISTICS OF COATED AND NON-COATED SYNTHETIC FABRICS IN AN AREA OF HIGH ACTINIC RADIATION. (U.S. Wright air development center. Directorate of research. Materials laboratory, technical note WCRT 53-146) 16 p. July 1953.
- A-1283 Bakanauskas, Sam  
OUTDOOR WEATHERING EVALUATIONS OF SYNTHETIC FIBER MATERIALS. (U.S. Wright air development center. Directorate of research. Materials laboratory, Technical note WCRT 53-234) 12 p. December 1953.
- A-1458 Moore, Carl J.  
THREADS, COTTON, NYLON, AND ORLON; ACCELERATED WEATHERING, STRENGTH AND SET TESTS. (U.S. Detroit arsenal, Center Line, Mich. Laboratories division, report no. 3037 (final); U.S. Armed services technical information agency. (ASTIA document) AD 43186) 8 p. August 1954.
- A-1496 Rupert, Frank E.  
DETERMINATION OF THE MINIMUM THICKNESS OF NEOPRENE COATING NECESSARY TO PROTECT NYLON FABRIC FROM DETERIORATION BY WEATHER. (U.S. Engineer center, Fort Belvoir, Va. Engineer research and development laboratories, report no. 3402-1) 19 p. July 1955.
- A-1512 U.S. Aberdeen Proving Ground, Md. Development and Proof Services  
ORDNANCE TECHNICAL INDEX OF ENVIRONMENTAL FACTORS. PART II: ENVIRONMENTAL FACTOR "HOT" (DRY DESERT, DUST ROOM, HOT ROOM). PART III: ENVIRONMENTAL FACTOR "TROPICAL" (HOT HUMID, JUNGLE, TROPICALIZATION CHAMBER INCLUDING FUNGUS TESTS). PART IV: ENVIRONMENTAL FACTOR "HIGH ALTITUDE". (Revised 1953) 168 p.
- A-1565 Aaronson, Henry A.  
PERIODIC TESTS OF CARTRIDGE CLOTH AND COTTON SEWING THREAD MANUFACTURED DURING WORLD WAR II AND STORED AT PICATINNY ARSENAL. (U.S. Picatinny arsenal, Dover, N.J. Samuel Feltman ammunition laboratories. Technical report 2162; . . . (ASTIA Document) AD 60523) 8 p. April 1955.
- A-1657 Hamilton, E.L.  
THE EFFECT OF ACCELERATED WEATHERING AND EXPOSURE TO FUNGI UPON AIRPLANE CLOTH ALTERED BY CYANOETHYLATION, MONSANTO CHEMICAL CO. (U.S. Wright air development center. Directorate of research. Materials laboratory, report WCRT-H56-66) 5 p. April 1956.
- A-1778 Saylor, John C., jr.  
WEATHERING RESISTANCE OF FUNGICIDAL VINYL COATED COTTON FABRICS. (U.S. Wright air development center. Technical report 56-252; . . . (ASTIA Document) AD 110711) 33 p. January 1957.
- B-439 Samuels, H., J.G. Evans, J. Fittch, J.R.A. Jinks and A. Whitehead  
ACCELERATED LIGHT FADING EQUIPMENT IN I.G. (British Intelligence Objectives Sub-committee, final report no. 1818; Target no. C31/3191) 5 p. (n.d.)

- B-649 British Standards Institution, London  
CHEMICAL REQUIREMENTS FOR TEXTILES TREATED BY CERTAIN PRESERVATIVE PROCESSES. (British standard 2087:1954; amendment no. 2) 38 p. 1954.
- C-840(1) Harris Research Laboratories, Washington, D.C.  
FUNDAMENTAL STUDY ON THE MECHANISM OF DEGRADATION OF TEXTILES.  
REPORT FOR PERIOD JULY 25, 1948 TO AUGUST 25, 1948; BEHAVIOR OF FABRICS EXPOSED UNDER FILTERS TO VARIOUS BANDS OF SOLAR RADIATION. (U.S. Quartermaster corps. Contract W44-109-qm-2079, report 1) 12 p. (n.d.)
- C-840(2) Harris Research Laboratories, Washington, D.C.  
FUNDAMENTAL STUDY ON THE MECHANISM OF DEGRADATION OF TEXTILES.  
CHEMICAL AND PHOTOCHEMICAL DEGRADATION OF TEXTILES. (U.S. Quartermaster corps. Contract W44-109-qm-2079, report 2) 16 p. (n.d.)
- C-840(4) Harris Research Laboratories, Washington, D.C.  
. . . FUNDAMENTAL STUDY ON THE MECHANISM OF DEGRADATION OF TEXTILES.  
CHEMICAL AND PHOTOCHEMICAL DEGRADATION OF TEXTILES. (U.S. Quartermaster corps. Contract W44-109-qm-2079, report 4) 24 p. 1949.
- C-840(5) Harris Research Laboratories, Washington, D.C.  
FUNDAMENTAL STUDY ON THE MECHANISM OF DEGRADATION OF TEXTILES.  
CHEMICAL AND PHOTOCHEMICAL DEGRADATION OF TEXTILES. (U.S. Quartermaster corps. Contract W44-109-qm-2079, report 5) 14 p. April 1949.
- C-840(6) Harris Research Laboratories, Washington, D.C.  
. . . FUNDAMENTAL STUDY ON THE MECHANISM OF DEGRADATION OF TEXTILES.  
CHEMICAL AND PHOTOCHEMICAL DEGRADATION OF TEXTILES. (U.S. Quartermaster corps. Contract W44-109-qm-2079, report 6) 16 p. June 1949.
- C-840(7) Harris Research Laboratories, Washington, D.C.  
FUNDAMENTAL STUDY ON THE MECHANISM OF DEGRADATION OF TEXTILES.  
CHEMICAL AND PHOTOCHEMICAL DEGRADATION OF TEXTILES. (U.S. Quartermaster corps. Contract W44-109-qm-2079, report 7) 30 p. August 1949.
- C-840(8) Harris Research Laboratories, Washington, D.C.  
FUNDAMENTAL STUDY ON THE MECHANISM OF DEGRADATION OF TEXTILES.  
CHEMICAL AND PHOTOCHEMICAL DEGRADATION OF TEXTILES. (U.S. Quartermaster corps. Contract W44-109-qm-2079, report no. 8; project no. 92-06-02, for the period August 25 to October 25) 37 p. October 1949.
- C-840(9) Harris Research Laboratories, Washington, D.C.  
FUNDAMENTAL STUDY ON THE MECHANISM OF DEGRADATION OF TEXTILES.  
CHEMICAL AND PHOTOCHEMICAL DEGRADATION OF TEXTILES. (U.S. Quartermaster corps. Military planning division, Research and development branch, report no. 9; project no. 92-06-02, for the period October 25 1949 to February 20, 1950; Contract W44-109-qm-2079) 20 p. February 1950.

- C-840(10) Harris Research Laboratories, Washington, D.C.  
FUNDAMENTAL STUDY ON THE MECHANISM OF DEGRADATION OF TEXTILES.  
CHEMICAL AND PHOTOCHEMICAL DEGRADATION OF TEXTILES. (U.S. Quartermaster corps. Military planning division. Research and development branch. Contract no. W44-109-qm-2079, report no. 10; project no. 92-06-02, for the period February 20 to May 20) 24 p. May 1950.
- C-840(11) Harris Research Laboratories, Washington, D.C.  
FUNDAMENTAL STUDY ON THE MECHANISM OF DEGRADATION OF TEXTILES.  
CHEMICAL AND PHOTOCHEMICAL DEGRADATION OF TEXTILES. (U.S. Quartermaster corps. Military planning division. Research and development branch. Contract no. W44-109-qm-2079, report no. 11; project no. 92-06-02, for the period May 20 to August 20) 28 p. August 1950.
- C-840(12) Harris Research Laboratories, Washington, D.C.  
FUNDAMENTAL STUDY ON THE MECHANISM OF DEGRADATION OF TEXTILES.  
CHEMICAL AND PHOTOCHEMICAL DEGRADATION OF TEXTILES. (U.S. Quartermaster corps. Military planning division. Research and development branch. Contract no. W44-109-qm-2079, report no. 12; project 92-06-02, for the period August 20 to November 20) 24 p. November 1950.
- C-840(13) Harris Research Laboratories, Washington, D.C.  
FUNDAMENTAL STUDY ON THE MECHANISM OF DEGRADATION OF TEXTILES.  
CHEMICAL AND PHOTOCHEMICAL DEGRADATION OF TEXTILES. (U.S. Quartermaster corps. Military planning division. Research and development branch. Contract no. W44-109-qm-2079, report no. 13; project no. 92-06-02, for the period November 20, 1950 to February 20, 1951) 29 p. February 1951.
- C-840(14) Harris Research Laboratories, Washington, D.C.  
FUNDAMENTAL STUDY ON THE MECHANISM OF DEGRADATION OF TEXTILES.  
CHEMICAL AND PHOTOCHEMICAL DEGRADATION OF TEXTILES. (U.S. Quartermaster corps. Military planning division. Research and development branch. Contract no. W44-109-qm-2079, report no. 14; project no. 92-06-02, for the period February 20 to May 20) 29 p. May 1951.
- C-840(15) Harris Research Laboratories, Washington, D.C.  
FUNDAMENTAL STUDY ON THE MECHANISM OF DEGRADATION OF TEXTILES.  
CHEMICAL AND PHOTOCHEMICAL DEGRADATION OF TEXTILES. (U.S. Quartermaster corps. Military planning division. Research and development branch. Contract no. W44-109-qm-2079, report no. 15; project no. 92-06-02, for the period May 20 to August 20) 9 p. August 1951.
- C-1168 Monsanto Chemical Company, St. Louis, Mo.  
PROTECTION AGAINST ROT AND MILDEW WITH MILMER 1. Cover-title 9 p.  
(n.d.)

- C-1523 Imperial Chemical Industries, Ltd. Dyestuffs division.  
Dyehouse dept., Manchester, England  
DISCOLORATION OF TEXTILES BY SHIRLAN. (Dyehouse no. 256) 1 p.  
(n.d.)
- C-1533 National Cylinder Gas Company, Chicago, Ill.  
LONG TERM PRESERVATION OF CELLULOSE BY CHEMICAL MODIFICATION.  
(Attached are: New preservative in water-soluble copper com-  
pound, Daily News Record (New York), March 23, 1956; and Teamed  
against fungus, Chemical Week 78(14):132-133, April 1956) 6 p.  
March 1956.
- F-53 Friedrich, —  
LICHTSCHUTZMITTEL. (Tr.: Light protective agents) (U.S. Office of  
Technical services. Publication board series. PB 73893, frames  
6051-6061) 11 p. 1939.
- F-54 Schappi, Wilfried H.  
UBER DIE VERANDERUNG SPINNMATTIERTER VISKOSEKUNSTSEIDE BEI DER  
BELICHTUNG. (Tr.: On the alteration of delustered spun viscose  
artificial silk upon exposure to light) (Dissertation for  
doctorate at the Eidgenossisch Technischen Hochschule in Zurich)  
40 p. 1947.
- F-178 Deutsche Acett-Kunstseiden Aktiengesellschaft, Freiburg im Breisgau,  
Germany  
GEGEN FEUCHTE BEWITTERUNG DESTANDIGE GEWEBE. (Tr.: Moisture-proof  
textiles) (U.S. Office of technical services. Publication  
board series PB 70413. Frame 557) 1 p. December 1942.
- F-557(1) Dicker, R.  
L'ACTION DE LA LUMIERE SUR LES TEXTILES. (Tr.: Action of light on  
textiles) (Rayonne 6(4):109,111,113) 3 p. April 1950.
- F-557(2) Dicker, R.  
L'ACTION DE LA LUMIERE SUR LES TEXTILES. (Tr.: Action of light  
on textiles) (Rayonne 6(5):106-109) 4 p. May 1950.
- F-557(3) Dicker, R.  
L'ACTION DE LA LUMIERE SUR LES TEXTILES. (Tr.: Action of light  
on textiles) (Rayonne 6(6):53,55,57-58) 4 p. June 1950.
- F-557(4) Dicker, R.  
L'ACTION DE LA LUMIERE SUR LES TEXTILES. (Tr.: Action of light  
on textiles) (Rayonne 6(7):50-52) 3 p. July 1950.
- F-557(5) Dicker, R.  
L'ACTION DE LA LUMIERE SUR LES TEXTILES. (Tr.: The action of  
light on textiles) (Rayonne 6(8):85,87,89-90) 4 p. August 1950.
- F-557(6) Dicker, R.  
L'ACTION DE LA LUMIERE SUR LES TEXTILES. (Tr.: The action of  
light on textiles) (Rayonne 6(9):55,57,59,61) 4 p. September 1950.

- F-557(7) Dicker, R.  
L'ACTION DE LA LUMIÈRE SUR LES TEXTILES. (Tr.: The action of light on textiles) (Rayonne 6(10):67-70) 4 p. October 1950.
- F-557(8) Dicker, R.  
L'ACTION DE LA LUMIÈRE SUR LES TEXTILES. (Tr.: The action of light on textiles) (Rayonne 6(11):95-98) 4 p. November 1950.
- F-616 Pinte, — and Paul Rochas  
NOTE SUR UN CAS PARTICULIER DE DÉGRADATION PHOTOCHEMIQUE DES RAYONNES VISCOSE MATES. (Tr.: A special case of photochemical degradation of delustered viscose rayon) (Bull. Inst. Textile France 1952, 31:9-17) 9 p. February 1952.
- F-626 Henk, Hans Joachim  
EINWIRKUNG DES LICHTES AUF TEXTILFASERN. (Tr.: The effect of light on textile fibers) (Melliand Textilber. 33:488-491) 4 p. 1952.
- F-661 Sippel, A.  
" WIE VERMEIDET MAN SCHADIGUNG VON TEXTILFASERN DURCH SONNENLICHT? (Tr.: Prevention of damage to textiles by sunlight) (Textil-Praxis 7:220-223) 4 p. March 1952.
- F-733 Sippel, A.  
PHOTOCHEMIE DER TEXTILFASERN, WEG ZUR FASERFORSCHUNG UND FASERVERBESSERUNG. (Tr.: The photochemistry of textile fibers; a path to fiber research and improvement) (Faserforsch. u. Textiltech. 3:211-213) 3 p. June 1952.
- F-899 Agster, Andreas  
ZUR KENNNTNIS DES PHOTOCHEMISCHEN ABBAUS MATTIERTER UND NICHMATTIERTER ZELLULOSEFASERN. (Tr.: Photochemical degradation of delustered and nondelustered fibers. 1.) (Melliand Textilber. 35:1209-1212) 4 p. November 1954.
- F-914 Lieseberg, Friedrich  
VERHALTEN DER PCU-FASER GEGEN CHEMIKALIEN, VERROTUNGS-UND WITTERUNGSEINFLUSSE, WASCHFLOTTEN UND REINIGUNGSBADER. (Tr.: Resistance of PCU (polyvinyl chloride) fibers to chemicals, rot, weathering, washing solutions, and cleaning baths) (Textil-Praxis 9:650-656) 7 p. July 1954. English summary added.
- F-977 Gasser, F., and F. Weber  
LICHT EINFLUSS VON LEUCHTSTOFFLAMPEN AUF OPTISCH GESCHÖNTE TEXTILIEN. (Tr.: Effect of light from fluorescent lamps on optically brightened textiles) (Melliand Textilber. 35:1362-1364) December 1954.
- F-981 Treiber, E.  
" DIE LICHTSCHADIGUNG DER CELLULOSE, SPEZIELL IN GEGENWART VON TITANDIOXYD. (Tr.: Photodegradation of cellulose, particularly in the presence of titanium dioxide) (Svensk Papperstidn. 58: 185-195) March 1955.

- F-1027 Krassig, H.  
EINWIRKUNG OXYDATIVER WASCHMITTEL SUF BAUMWOLLGEWEBE 412.  
MITTEILUNG ÜBER MAKROMOLEKULARE VERBINDUNGEN. (Tr.: Effect of oxygen-containing laundering agents on cotton fabrics. 412th Report on macromolecular compounds) (Melliand Textilber. 36: 265-267) March 1955.
- F-1030 Kleinert, Theodor N., and Viktor Mössner  
BEITRAG ZUR FRAGE DER LICHTSCHÄDIGUNG VON VISKOSETEXTILIEN.  
(Tr.: The photodegradation of viscose textiles) (Textil-Rundschau 10:353-359) July 1955.
- F-1042 Ulrich, Herbert M.  
DIE EINWIRKUNG DES LICHTES AUF TEXTILFASERN (sic). (Tr.: The effect of light on textile fibres) (Prakt. Chem. 5(10):235-238) 1954.
- F-1061 Abadie-Maumert, F.A.  
ALTÉRATIONS DE LA CELLULOSE PURIFIÉE PAR LA LUMIÈRE. (Tr.: Degradation of highly purified cellulose by light) (Norsk Skogind. 9: 273-278) August 1955.
- F-1088 Lang, W., and E. Treiber  
BEITRAG ZUR KENNNTNIS DER LICHTSCHÄDIGUNG AN ZELLULOSE DURCH MAT-TIERUNGSPIGMENTE (TiO<sub>2</sub>). (Tr.: Contribution to the degradation of cellulose by light owing to delustring pigments (titanium dioxide) (Reyon Zellwoll u. Chemiefasern no. 6:383-385) June 1955.
- F-1092 Heyl, G., and M. Kramer  
DAS VERHALTEN VON METALLISIERTEN GEWEBEN GEGENÜBER LICHTSTRAHLUNG.  
(Tr.: Behavior of metallized fabrics towards light irradiation) (Melliand Textilber. 36:1161-1166) November 1955.
- F-1111 Schulke, W.  
L'ECHELLE DES BLEUS. MOYEN DE DÉTERMINATION DE LA RÉSISTANCE DES TEXTILES À LA LUMIÈRE. (Tr.: The scale of blues. Means for determining the stability of textiles to light) (Rayonne et fibres synthet. 11(9):1491,1493,1495,1497,1499-1500) Sept. 1955.
- F-1112 Schulke, W.  
L'ECHELLE DES BLEUS. MOYEN DE DÉTERMINATION DE LA RÉSISTANCE DES TEXTILES À LA LUMIÈRE. (Tr.: The scale of blues. Means for determining the stability of textiles to light) (Rayonne et fibres synthet. 11(10):1622-1625, 1627,1629,1631,1633,1635, 1637-1638) October 1955.
- F-1114 Sippel, A.  
FASERFEINBAU UND BESTÄNDIGKEIT DER CHEMIEFASERN GEGEN WÄRME BZW. RONTGENSTRAHLUNG. (Tr.: Fine fibre structure and resistance of man-made fibres to heat or x-rays) (Textil-Praxis 10:1131-1133) November 1955.

- F-1125 Schurz, J.  
ZUI. UV-ABSORPTION DER CELLULOSE. (Tr.: The UV absorption of cellulose) (Svensk Papperstidn. 59:98-103) February 1956.
- F-1193 Schwemmer, Martin  
UBER DEN PHOTOCHEMISCHEN ABBAU VON POLYAMIDFASERN. (Tr.: Photochemical disintegration of polyamide fibers) (Textil Rundschau 11:70-82) February 1956.
- F-1199 Wannow, H.A.  
EIN BEITRAG ZUM VERHALTEN VON MIT HARTBAREN HARZEN AUSGERUSTETEN GEWEBEN GEGEN CHLORABSPALTENDE BLEICHMITTEL. (Tr.: Experiments on the behavior of hardenable-resin-impregnated fabric exposed to chlorine-liberating bleaches) (Textil-Praxis 10:1248-1252) December 1955.
- F-1229 Agster, Andreas and Otto Holzinger  
BEITRAG ZUM PHOTOCHEMISCHEN ABBAU VON FASERSTOFFEN. (Tr.: Photodegradation of fibres) (Textil Praxis 11:825-828) August 1956.
- G-6 Holman, Herbert Paul, B.S. Levine and T.D. Jarrell  
WATERPROOFING AND MILDEWPROOFING OF COTTON DUCK. (U.S. Dept. of Agriculture. Farmers' bulletin 1157) 13 p. 1920.
- G-45 Jones, Christopher L.  
PROOFING JUTE SANDBAGS AGAINST ROT AND LIGHT. (Textile Age 5(9): 46,48,51-54) 4 p. September 1941.
- G-177 Dean, J.D.  
LETTER TO CHIEF OF ENGINEERS, U.S. ARMY, ON SOIL BURIAL AND WEATHER EXPOSURE TEST RESULTS. (Agricultural Research Administration, U.S. Dept. Agr. - Confidential.) 4 p. August 7, 1944.
- G-180 Leatherman, Martin  
. . . A WEATHER-RESISTANT FIREPROOFING TREATMENT FOR COTTON FABRICS. (U.S. Dept. of agriculture. Circular no. 466) 18 p. 1938.
- G-210 ACCELERATED AGEING TEST FOR TEXTILES DYED WITH SULFUR COLORS.  
(In Am. Dyestuff Repr. 33:P145-P146) March 1944.
- G-312 Barghoorn, Elso S.  
STUDIES ON THE DETERIORATION OF TEXTILES UNDER TROPICAL CONDITIONS IN THE CANAL ZONE. (U.S. Office of scientific research and development. Report 4807; U.S. Office of technical services. Publication board series. PB 11966) 60 p. April 1945.
- G-342 Strickland, Winston B., Wakeham, Helmut and Evald L. Skau  
WATER REPELLENCY OF TEXTILE FABRICS. (Amer. Dyestuff Repr. 34: 178-182(1945))



- G-384            Anonymous  
MANUAL OF MILITARY FABRICS - PART X: DYED NUMBERED DUCK TYPE II;  
PROCESSING DETAILS FOR VAT-DYED COTTON DUCK AND FIRE, WATER,  
AND WEATHER-RESISTANT FINISH COVERED BY SPECIFICATIONS J.Q.D.  
226D AND 242. (Textile World 93:100-101) 1943.
- G-390            Backer, Stanley and Ralph Harwood  
SOME VARIABLES IN WEATHERING TESTS OF TEXTILE FABRICS. (Am. Dyestuff  
Reptr. 34:P265-P271) July 1945.
- G-426            Gregory, Edmund B., and others  
CONFERENCE ON QUARTERMASTER TEXTILE RESEARCH. (Papers delivered at  
the conference held under the auspices of the Office of the  
Quartermaster general and the National academy of sciences . . .  
October 25, 1945. New York, Textile research institute, Dec.  
1945) 61 p.
- G-469            Lee, William M.  
THE QUARTERMASTER FIGHTS THE WEATHER . . . (Am. Dyestuff Reptr.  
35:P72-P76) 5 p. February 1946.
- G-489            Heuser, E., and George N. Chamberlin  
THE ACTION OF ULTRAVIOLET LIGHT UPON CELLULOSE AND CELLULOSE  
TRIACETATE. (J. Am. Chem. Soc. 68:79-83) 5 p. January 1946.
- G-520            American association of textile chemists and colorists. Southeastern  
section  
HOW DIFFERENT TYPES OF DYESTUFFS AFFECT THE RATE OF DETERIORATION OF  
CLOTH EXPOSED TO WEATHERING. (Am. Dyestuff Reptr. 35:P29-P37)  
9 p. January 1946.
- G-541            Peirce, Frederick Thomas and W.H. Rees  
MEASUREMENT OF THE WATER VAPOUR PERMEABILITY OF TEXTILE FABRICS.  
(J. Textile Inst. 36:T169-T176) 8 p. July 1945.
- G-547            Kime, Harry B.  
A STUDY OF THE WATER RESISTANCE OF FIRE, WATER, AND WEATHER RE-  
SISTANT COTTON CANVAS. (Am. Dyestuff Reptr. 35:261-264) 4 p.  
May 1946.
- G-576            Thomas, R.E.  
SOME PITFALLS IN ACCELERATED TESTING. (Am. Dyestuff Retpr. 35:P280-  
P282) 3 p. June 1946.
- G-652            Bayley, C.H., and Muriel W. Weatherburn  
THE EFFECT OF WEATHERING ON COTTON FABRIC CONTAINING CERTAIN COPPER  
ROTPROOFERS. (Can. J. Research F, 24:193-202) (National research  
council, Canada, NRC Publication no. 1384) May 1946.

- G-654 Bayley, C.H., and Muriel W. Weatherburn  
THE EFFECT OF WEATHERING ON ROTPROOFED CORDAGE. (National research council, Canada. NRC publication no. 1346) (Am. Dyestuff Reprtr. 35:218,235-236) 3 p. May 1946.
- G-1131 Wagner, R.P., Harold H. Webber and Ralph G.H. Siu  
THE EFFECT OF ULTRAVIOLET LIGHT ON COTTON CELLULOSE AND ITS INFLUENCE ON SUBSEQUENT DEGRADATION BY MICROORGANISMS. (Arch. Biochem. 12:35-50) January 1947.
- G-1261 Campbell, K.S., and P.J. Fynn  
. . . CELLULOSE BEHAVIOR WITH FILTERED LIGHT FROM A CARBON ARC SOURCE . . . (Textile Research J. 16(9):450-458) 9 p. September 1946.
- G-1263 Bayley, C.H., and Muriel W. Weatherburn  
THE EFFECT OF WEATHERING ON VARIOUS ROTPROOFING TREATMENTS APPLIED TO COTTON TENTAGE DUCK. (National research council, Canada. NRC publication 1492) (Can. J. Research F, 25:92-109) January 1947.
- G-3410(2) Frampton, Vernon L., George Ignatius Peters and Jane G. Malone  
PHOTOLYSIS OF COTTON CELLULOSE. II. PRODUCTION OF CARBONYL GROUPS. (U.S. Armed services technical information agency. (ASTIA document) AD 20759) 14 p. (n.d.)
- G-5051 Chamberlain, N.H., and F. Lucas  
THE ACTION OF LIGHT ON CALCIUM ALGINATE RAYON. (Soc. Dyers & Colourists, J. 65:682-691) December 1949.
- G-5078 Callow, H.J., and J.B. Speakman  
THE ACTION OF LIGHT ON JUTE. (Soc. Dyers Colourists, J. 65:758-763) December 1949.
- G-5256 India. Technical development establishment. Laboratory (Stores) Kanpur  
DETERIORATION OF TENTAGE IN INDIA: PART V. RESISTANCE TO WEATHERING OF INDIAN TENTAGE DYED DIFFERENTLY TO SCAMIC 207 SHADE AND TREATED WITH COPPER ROSINATE. (Technical report BIO/49/'73) 25 p. Nov. 1949.
- G-5281 Godlove, I.H.  
UNIFORMITY OF GRADING OF THE AMERICAN, BRITISH AND GERMAN LIGHT-FASTNESS STANDARDS. (Am. Dyestuff Reprtr. 39:P215-P221) April 1950.
- G-5505 Wessel, Carl J.  
INTRODUCTION TO THE PREVENTION OF DETERIORATION OF MATERIALS. SECTION TWO: MATERIALS AND THEIR PRESERVATION. CHAPTER VIII: TEXTILES AND CORDAGE. (National research council. Prevention of deterioration center) 79 p. April 1950.

- G-5551 Newsome, O.  
SOME OBSERVATIONS ON THE TENDERING OF NYLON BY EXPOSURE TO LIGHT.  
(Soc. Dyers Colourists, J. 66:277-280) May 1950.
- G-5602 Heim, Oskar  
A RAPID ANALYTICAL METHOD FOR DETERMINATION OF CHANGES IN COTTON  
AND COTTON FABRICS. (Am. Dyestuff Reprtr. 39:P417-P418) June  
1950.
- G-5640 Taylor, A.H., and W.G. Pracejus  
FADING OF COLORED MATERIALS BY LIGHT AND RADIANT ENERGY. (Illum.  
Eng. 45:149-151) March 1950.
- G-5677 Porritt, B.S., and J.R. Scott  
DURABILITY TESTS OF RUBBERISED COTTON AND CELLULOSE ACETATE FABRICS.  
(J. Rubber Research 17:33-34) February 1948.
- G-5842 Quig, J.B.  
"ORLON" ACRYLIC FIBRE: A NEW FIBRE FOR THE CANVAS GOODS INDUSTRY.  
(Textile J. Australia 25:48,50,72.) March 1950.
- G-5878 Reitz, L.K., and F.J. Sillay  
APPLICATION OF STATISTICAL METHODS TO PAPER TESTING PROCEDURES.  
PART I: FOLDING ENDURANCE. (Paper Trade J. 126(17):54-58)  
April 1948.
- G-5924 Desson, R.G., and H.R. Hadfield  
TENDERING OF NYLON. (Soc. Dyers Colourists, J. 66:438-439)  
August 1950.
- G-5950 American association of textile chemists and colorists. Mid-west  
section  
A NEW APPROACH TO THE EVALUATION OF WOOL OILS FOR RESISTANCE TO  
OXIDATION IN STORAGE. (Am. Dyestuff Reprtr. 39:P633-P635)  
September 1950.
- G-6057 Maas, Julian  
ACCELERATED AGING OF FABRIC: EFFECTS OF ELIMINATION OF SUNSHINE ON  
WEATHER-EXPOSED FABRIC AND SUBSEQUENT DETERIORATION IN STORAGE.  
(Am. Dyestuff Reprtr. 39:P693-P698,P714) 7 p. October 1950.
- G-6082 Dean, James D., W. Norbert Berard and R.K. Worner  
EFFECT OF WEATHER ON BLEACHED AND UNBLEACHED COTTON DUCK. (Textile  
Research J. 20:643-649) 7 p. September 1950.
- G-6228 A FURTHER GREAT STRIDE TOWARD INTERNATIONAL STANDARDIZATION OF  
FASTNESS TESTS FOR DYEINGS AND PRINTS; AN APPEAL FOR COOPERATION.  
(Am. Dyestuff Reprtr. 39:P807-808) Translated by C.Z. Draves.  
2 p. November 1950.

- G-6348  
see G-5281 Society of dyers and colourists, Bradford, England. British coordinating committee for fastness tests.  
OBSERVATIONS ON I.H. GODLOVE'S "UNIFORMITY OF GRADING OF THE AMERICAN, BRITISH AND GERMAN LIGHT-FASTNESS STANDARDS."  
(Am. Dyestuff Repr. 39:P912) 1 p. December 1950.
- G-6532 Fynn, P.J., N. Catherine Daly, Constance M. Fleming and James D. Dean  
CORRELATION STUDIES OF ACCELERATED AND NATURAL WEATHERING TESTS OF PROTECTIVELY FINISHED COTTON DUCK. (Textile Research J. 21:116-123) 8 p. February 1951.
- G-6568  
see G-6348 Godlove, I.H.  
UNIFORMITY OF GRADING OF AMERICAN, BRITISH AND GERMAN LIGHTFASTNESS STANDARDS; A REPLY TO THE FASTNESS-TEST CO-ORDINATING COMMITTEE OF THE SOCIETY OF DYERS AND COLOURISTS. (Am. Dyestuff Repr. 40:P114-P118) 5 p. February 1951.
- G-6640 Callow, H.J.  
NOTE ON THE EFFECT OF UREA-FORMALDEHYDE TREATMENT ON THE PHOTO-CHEMICAL DISCOLOURATION OF BLEACHED JUTE. (J. Textile Inst. 41:T404-T406) October 1950.
- G-6714 Teplitz, Irving  
SUNLIGHT, WEATHER AND FABRICS. (Textile Bull. 76(11):85-87) November 1950.
- G-6954 Heuvel, E. van den  
IMPROVEMENT OF TEMPERATURE AND HUMIDITY IN THE FADE-OMETER. (Am. Dyestuff Repr. 40:397-398) 2 p. June 1951.
- G-7151 Marsh, Paul B., L.R. Guthrie and Mary L. Butler  
THE INFLUENCE OF WEATHERING AND OF MICRO-ORGANISMS ON THE AQUEOUS-EXTRACT pH OF COTTON FIBER. (Textile Research J. 21:565-579) 15 p. August 1951.
- G-7437 Little, Leonard S.  
AATCC PARTICIPATION IN EUROPEAN TEXTILE CONFERENCES IN 1951. PART II. PROGRESS MADE IN INTERNATIONAL COLORFASTNESS STANDARD TEST METHODS. (Am. Dyestuff Repr. 40:P732-P735) 4 p. November 1951.
- G-7511 Frazen, Ruth and Katharine Paddock Hess  
THE EFFECTIVENESS OF CERTAIN MOTHPROOFING TREATMENTS ON SELECTED WOOL FABRICS AND THEIR PERMANENCE TO LIGHT AND CLEANING. (Kansas. Agricultural experiment station, Manhattan, Dept. of home economics. Contribution no. 128) (J. Home Econ. 43:362-367) May 1951.
- G-7585 Mahal, Gurbax Singh, and Robert H. Burns  
WEATHERING OF WOOL. (Natl. Wool Grower 1(4):12-13,31-32) 4 p. April 1951.

- G-7633 Honold, Edith, Janice M. Poynot and Alva F. Cucullu  
HEAT-RESISTANCE OF PARTIALLY ACETYLATED COTTON FABRICS. (Textile  
Research J. 22:25-29) 5 p. January 1952.
- G-7671 Schaeffer, Albert  
PHOTOCHEMICAL AND THERMAL INFLUENCES ON FIBRES AND DYESTUFFS.  
(Textile Mercury and Argus 125:410,413,415,417,419) 5 p.  
September 1951. "Translation from "Melliand Textilberichte,  
. . . vol. XXXII, August, 1951."
- G-7687 Bogaty, Herman, Kenneth S. Campbell and William D. Appel  
SOME OBSERVATIONS ON THE EVAPORATION OF WATER FROM CELLULOSE.  
(Textile Research J. 22:75-81) 7 p. February 1952.
- G-7738(36) Barnes, W.R., and others  
IMPROVED DESIGN OF TENTS AND TENTAGE MATERIALS. (Title of Appendix:  
Test manual: engineering design tests for army tentage) (U.S.  
Quartermaster corps. Contract DA44-109-qm-288, for the period  
October 1, 1950 to September 30, 1951; Louisville. University.  
Institute of industrial research) 159 p. September 1951.
- G-7738(37) Gerhard, E.R., John E. Heer, jr., and W.M. Burks, jr.  
. . .IMPROVED DESIGN OF TENTS AND TENTAGE MATERIALS. . . (Louisville  
University. Institute of industrial research, 37th progress rept;  
U.S. Quartermaster corps. Contract no. DA44-109-qm288, fourth  
quarter, 1951) 19 p. 1951.
- G-7738(38) Gerhard, E.P., J.H. Heer, jr., and W.M. Burks, jr.  
IMPROVED DESIGN OF TENTS AND TENTAGE MATERIALS. (Louisville.  
University. Institute of industrial research, 38th progress rept;  
U.S. Quartermaster corps. Contract nc. DA44-109-qm-288, first  
quarter, 1952) 25 p. 1952.
- G-8021 Williams, Simon  
DOPED FABRIC. (Aero Digest 64(2):100-107) 8 p. February 1952.
- G-8041 EFFECT OF MOISTURE AND OZONE ON COTTON TEXTILES. (Natl. Bur.  
Standards (U.S.) Tech. News Bull. 36:92-93) 2 p. June 1952.
- G-8174 MEET THE NEWEST SYNTHETIC FIBER: X-51. (Textile World 102(3):  
123-125) 3 p. March 1952.
- G-8234 Bayley, C.H.  
THE EFFECT OF MICRO-ORGANISMS AND OF WEATHERING ON COTTON TEXTILES.  
(Can. Textile J. 69(9):59-62) 4 p. April 1952.
- G-8235 Coke, C.E.  
THE EFFECTS OF MICRO-ORGANISMS AND WEATHERING ON MAN-MADE FIBRES.  
(Can. Textile J. 69(9):53-54,57-58) 4 p. April 1952.

- G-8313 Dean, James D., Constance M. Fleming and R.T. O'Connor  
EFFECTS OF UNFILTERED CARBON ARC LIGHT IN ACCELERATED WEATHERING  
OF COTTON AND OTHER TEXTILES. (Textile Research J. 22:609-  
616) 8 p. September 1952.
- G-8581 Landsberg, Meyer I., Thomas J. DiFilippo and Ladislav Boor  
PROPERTIES OF EXPOSED AND UNEXPOSED POLYVINYL BUTYRAL COATED  
FABRICS. (Am. Soc. Testing Materials, Proc. 51:1262-1276)  
15 p. 1951.
- G-8630 Leatherland, Larry C.  
BETTER FABRICS FOR THE FUTURE. (Battelle Tech. Rev. 2(2):14-18)  
5 p. February 1953.
- G-8668 National research council, Canada. Canadian government specifica-  
tions board  
SPECIFICATION FOR DUCK, COTTON; LIGHT ROT RESISTANT TREATMENT.  
(Specification 4-GP-51, and amendment no. 1) "Supersedes  
4-GP-51P, 18 February 1952." 3 p. July, Oct. 1952.
- G-8669 National research council, Canada, Canadian government specifica-  
tions board  
SPECIFICATION FOR DUCK, COTTON; LIGHT WATER RESISTANT AND ROT  
RESISTANT TREATMENT. (Specification 4-GP-52, and amendment no.  
1) "Supersedes 4-GP-52P, 18 February 1952." 4 p. July, Oct.  
1952.
- G-8703 Ashton, Dorothy and M.E. Probert  
A SIMPLE TECHNIQUE FOR INVESTIGATING THE EFFECT OF HUMIDITY ON THE  
FADING AND DEGRADATION OF DYED FABRICS BY SUNLIGHT, AND SOME  
OBSERVATIONS ON DYED COTTON. (J. Textile Inst. 44:T1-T11) 11 p.  
January 1953.
- G-8777 Bogaty, Herman, Arnold M. Sookne, Louis I. Weiner and Milton Harris  
THE FELTING IN LAUNDERING OF WOOL BLENDS. (Textile Research J. 23:  
114-118) 5 p. February 1953.
- G-8882 Ridge, B.P.  
SYNTHETIC POLYMER FIBRES. (J. Textile Inst. 44:P48-P65) 18 p.  
February 1953.
- G-9226 American association of textile chemists and colorists. Research  
subcommittee on fastness to light  
A STUDY OF ANOMALOUS FADING IN THE FADE-OMETER; A PROGRESS REPORT  
OF A STUDY OF FADING IN TESTING FOR COLORFASTNESS OF TEXTILES  
TO LIGHT. (Am. Dyestuff Repr. 42:P379-P385) 7 p. June 1953.
- G-9382(4) Texas. University. Plant research institute  
RESEARCH DEALING WITH THE WEATHERING OF CELLULOSIC MATERIALS.  
(Quarterly progress report no. 4; U.S. Wright air development  
center. Contract no. AF 33(616)-4, for the period 30 Aug. - 29  
Nov.; U.S. Armed services technical information agency. (ASTIA  
Document) AD 6371) 5 p. November 1952.

- G-9382(5) Texas. University. Plant research institute  
RESEARCH DEALING WITH THE WEATHERING OF CELLULOSIC MATERIALS.  
(Quarterly progress report no. 5; U.S. Wright air development center. Contract no. AF 33(616)-4, for the period 30 Nov. 1952 - 28 Feb. 1953; U.S. Armed services technical information agency. (ASTIA Document) AD 8383) 6 p. February 1953.
- G-9382(6) Texas. University. Plant research institute.  
RESEARCH DEALING WITH THE WEATHERING OF CELLULOSIC MATERIALS.  
(Quarterly progress report no. 6; U.S. Wright air development center. Contract no. AF 33(616)-4, for the period 28 Feb. - 29 May; U.S. Armed services technical information agency. (ASTIA Document) AD 20758) 6 p. May 1953.
- G-8392(7) Texas. University. Plant research institute  
RESEARCH DEALING WITH THE WEATHERING OF CELLULOSIC MATERIALS.  
(Quarterly progress report no. 7; U.S. Wright air development center. Contract no. AF 33(616)-4, 30 June - 29 August; U.S. Armed services technical information agency. (ASTIA Document) AD 20055) 3 p. August 1953.
- G-9397(5) Florida. State university, Tallahassee  
INVESTIGATION OF TARPAULIN MATERIAL. (Fifth quarterly progress report; U.S. Chemical corps. Contract DA-18-064-CML-1653; Sept. 16 - Dec. 15; U.S. Armed services technical information agency. (ASTIA Document) AF 751) Signed: Hazel T. Stevens, Mary Noka Hood, and Harold C. Beard. 30 p. December 1952?
- G-9611 Marsh, Paul B., George V. Merola and Marion E. Simpson  
EXPERIMENTS WITH AN ALKALI SWELLING-CENTRIFUGE TEST APPLIED TO COTTON FIBER. (Textile Research J. 23:831-841) 11 p. Nov. 1953.
- G-9750 Macmillan, W.G., S.N. Basu and P.N. Pal  
DETERIORATION OF CUPRAMMONIUM-PROOFED JUTE FABRIC. (J. Sci. Ind. Research (India) 12B:558-562) 5 p. November 1953.
- G-9762 Tolani, L.V., H.V.K. Udupa and P.C. Mehta  
EFFECT OF LAUNDERING, PERSPIRATION AND LIGHT ON FABRICS. (J. Sci. Ind. Research (India) 12B:631-639) 9 p. December 1953.
- G-9842(3) Hall, Archibald John  
TEXTILE FIBRE PROPERTIES. III. PROTECTING WOOL AGAINST DEGRADATION. (Textile Mercury and Argus 129:470-472) 3 p. September 1953.
- G-9858 Zook, Margaret O., and Pauline S. Mack  
A PRELIMINARY STUDY OF THE ABRASION RESISTANCE OF FABRICS WHEN TEST UNITS OF ABRASION ARE COMBINED WITH TEST UNITS OF LAUNDERING, DRYCLEANING AND LIGHT. (Am. Dyestuff Repr. 43: 61-66) 6 p. February 1954.

- G-9976 Roy, Amal Sankar  
THE STORAGE OF JUTE FABRICS. (Indian Textile J. 63:769-771) 3 p.  
September 1953.
- G-10125 Bollenbacher, Katharina and Paul B. Marsh  
A PRELIMINARY NOTE ON A FLUORESCENT-FIBER CONDITION IN RAW COTTON.  
(Plant Disease Repr. 38:375-379) 13 p. 1954.
- G-10413 Friedman, H. Martin  
A RAPID TEST FOR GAS-FADING RESISTANCE OF DYED CELLULOSE ACETATE  
FABRICS. (Am. Dyestuff Repr. 43:597-598) 2 p. August 1954.
- G-10422 (Abstract of) IMPROVEMENT OF FIBRE QUALITY BY AFTER-TREATMENT.  
II. THE ANTI-DEGRADATION QUALITY OF RESIN-TREATED SILK FIBRES.  
III. SOME ASPECTS OF SUNLIGHT DEGRADATION OF SILK FIBRES BY  
TREATMENT WITH RESINS. (J. Textile Inst. 45:A572) 1 p. type-  
written. (Original article in Japanese in J. Soc. Textile and  
Cellulose Ind., Japan 10(2):76-81, 1954, by Hiroshi Sobue, Kei  
Matsuzaki, Kenkichi Marukami, and Shohai Hasegawa)
- G-10423 (Abstract of) PREVENTION OF YELLOWING AND DETERIORATION IN SILK.  
(J. Textile Inst. 45:A573) 1 p. typewritten. (Original article  
in Japanese in J. Sericult. Sci. Japan 20:268-270, 1951, by  
Hisami Nishi)
- G-10512 Norton, J.E.  
NEW RECOMMENDED TEST CONDITIONS AND OPERATING PRACTICES FOR LIGHT  
FASTNESS TESTS IN THE FADE-OMETER. (Am. Dyestuff Repr. 43:  
P628-P631) 4 p. September 1954.
- G-10523 Rose, Grace R.F., and C.H. Bayley  
A STUDY OF THE WEATHERING CHARACTERISTICS OF COTTON FABRICS CON-  
TAINING INORGANIC COMPOUNDS. PART I: CHROMIC OXIDE AND COPPER  
IN INORGANIC AND ORGANIC FORMS. (Textile Research J. 24:792-  
802) 11 p. September 1954.
- G-10579 Chipalkatti, H.R., N.F. Desai, C.H. Giles and N. Macaulay  
THE INFLUENCE OF THE SUBSTRATE UPON THE LIGHT FADING OF AZO DYES.  
(J. Soc. Dyers Colourists 70:487-501) 15 p. November 1954.
- G-10608 Hessler, Lyle E., Jack D. Towery and Billy K. Power  
THE EFFECT OF WEATHERING IN THE FIELD ON THE FIBER PROPERTIES OF  
COTTON. (Textile Research J. 24:1010-1014) 5 p. November  
1954.
- G-10648 National research council, Canada, Canadian government specifica-  
tions board  
SPECIFICATION FOR COMPOUND; TEXTILE PRESERVATIVE; WATER, ROT AND  
FLAME RESISTANT FOR FIELD TREATMENT. (Specification 4-GP-56,  
and amendment no. 1) 8 p. April, Oct. 1954.



- G-10864 National research council, Canada. Canadian government specifications board  
SPECIFICATION FOR DUCK; COTTON, HEAVY ROT, WATER AND FLAME RESISTANT TREATMENT. (Specification 4-GP-54a) "Supersedes 4-GP-54, 31 July 1952." 5 p. September 1954.
- G-10865 National research council, Canada. Canadian government specifications board  
SPECIFICATION FOR DUCK; COTTON, LIGHT ROT RESISTANT TREATMENT. (Specification 4-GP-51a) "Supersedes 4-GP-51, 31 July 1952." 3 p. September 1954.
- G-10867 National research council, Canada. Canadian government specifications board  
SPECIFICATION FOR DUCK; COTTON, HEAVY ROT AND WATER RESISTANT TREATMENT. (Specification 4-GP-53a, and amendment no. 1) "Supersedes 4-GP-53, 31 July 1952." 6 p. September 1954.
- G-10989 Babey, Matthew J.  
A COMPARISON OF AATCC SUNLIGHT TESTS WITH THE PROPOSED INTERNATIONAL DAYLIGHT TEST. (Am. Dyestuff Repr. 44:P131) 1 p. February 1955.
- G-11024 Schaffer, Robert, Wm. D. Appel and Florence H. Forziati  
REACTIONS AT WET-DRY INTERFACES ON FIBROUS MATERIALS. (U.S. National Bureau of Standards. Research paper 2570; J. Research Natl. Bur. Standards 54:103-106) 4 p. February 1955.
- G-11325 Staples, M.L., and C.J. Brown  
THE EFFECT OF OUTDOOR EXPOSURE ON CELLULOSIC AND OTHER TEXTILE FIBRES. (Reprint of a paper appearing in the Book of papers, p. 132-136, given at the Fourth Canadian Textile Seminar, Sept. 9 - 11, 1954, at Queens University, Kingston, Ontario) 5 p. 1954.
- G-11326 Fisher, C.H.  
RESEARCH TO TRANSFORM COTTON THROUGH CHEMISTRY INTO NEW TEXTILE PRODUCTS. (Reprint of a paper appearing in the Book of papers, p. 67-71, given at the Fourth Canadian Textile Seminar, Sept. 9 - 11, 1954, at Queens University, Kingston, Ontario) 5 p. 1954.
- G-11341 Stoll, R.G.  
TEXTILE WITH NEW PROPERTIES FROM CELLULOSE TRIACETATE. (Textile Research J. 25:650-661) July 1955.
- G-11346 Salvin, Victor S., and Ruth A. Walker  
SERVICE FADING OF DISPERSE DYESTUFFS BY CHEMICAL AGENTS OTHER THAN THE OXIDES OF NITROGEN. (Textile Research J. 25:571-585) July 1955.

- G-11780 Butterworth, E., and J.C. Guthrie  
AN INVESTIGATION INTO SOME METHODS FOR THE ASSESSMENT OF THE  
WEATHERING FASTNESS OF DYED TEXTILES. (Soc. Dyers Colourists,  
J. 71:587-592) October 1955.
- G-11843 Rose, Grace R.F., and C.H. Bayley  
THE ROTPROOFING AND WEATHERING PROPERTIES OF SOME COMPOUNDS OF  
DEHYDROABIETYLAMINE. (Am. Dyestuff Reprtr. 44:648-651,676)  
September 1955.
- G-11916 ALL-WEATHER PROTECTION FROM NYLON. (Fibres 16:173) May 1955.
- G-11950 Hessler, Lyle E., and Donna Jo Upton  
CHEMICAL PROPERTIES OF FIELD-WEATHERED COTTON. (Textile Research  
J. 25:1029-1034) December 1955.
- G-12032 South African bureau of standards, Pretoria  
CODE OF PRACTICE FOR THE PREVENTION OF DETERIORATION DUE TO  
TROPICAL CONDITIONS. (Code 046-1952) 29 p. July 1952. Also  
30 p. in Dutch.
- G-12102 Berard, W. Norbert, Samuel G. Gremillion, jr., and Charles F.  
Goldthwait  
IMPROVED WEATHER RESISTANCE BY ACETYLATED VAT-DYED COTTON.  
(Textile Research J. 26:81-86) January 1956.
- G-12123 Boulton, J.  
THE PHOTO-DEGRADATION OF VAT-DYED CELLULOSE: METHODS OF PROTECTION  
APPLICABLE TO VICOSE RAYON. (Xith Intern. Congr. Pure Applied  
Chem., London, Proc. 5:7-11) Published in 1953. 1947.
- G-12129 Moncrieff, R.W.  
INDUSTRIAL USES OF ARTIFICIAL FIBRES, PART III. (Fibres 16:301-  
304) September 1955.
- G-12183 Sihtola, Hannes and B.C. Fogelberg  
THE DEGRADATION OF CELLULOSE BY ULTRAVIOLET LIGHT. (Paperi ja  
Puu 36:430) November 1954.
- G-12432 McLaren, K.  
THE SPECTRAL REGIONS OF DAYLIGHT WHICH CAUSE FADING. (Soc. Dyers  
and Colourists, J. 72:86-99) March 1956.
- G-12524 BUILT-IN DURABILITY. (Chem. Eng. News 34:2508) May 1956.
- G-12564 Bayley, C.H.  
MICROBIOLOGICAL PROCESS DISCUSSION: SOME AUXILIARY EFFECTS OF  
TEXTILE FUNGICIDES. (Applied Microbiol. 4:76-84) March 1956.

- G-12583 Bayley, C.H., and A.S. Tweedie  
FADING OF FABRICS CAUSED BY EXPOSURE TO LIGHT. (Canadian research institute of launderers and cleaners, Ottawa. Technical bulletin, Vol. 10, tech. 10) 3 p. October 1955.
- G-12716 Werren, Fred  
EFFECTS OF FABRIC FINISH AND WET EXPOSURE ON STRENGTH PROPERTIES OF GLASS-CLOTH POLYESTER LAMINATES. (U.S. Wright air development center. Technical report 53-483; . . . (ASTIA Document) AD 73855) 14 p. March 1956.
- G-12762 Macmillan, W.G., and H.P. Bhattacharjee  
ANALYTICAL STUDIES OF PHOTOCHEMICALLY DEGRADED JUTE. PART I., (Indian Chem. Soc., J. 32:731-735) November 1955.
- G-12765 Hindson, W.R., and P.G. Kelly  
EFFECT OF SOME WHITE PIGMENTS ON THE ACTINIC DEGRADATION OF COTTON. (Nature 177:1241-1242) June 1956.
- G-12790 Nickerson, Dorothy  
EFFECT OF EXPOSURE AND STORAGE ON COLOR AND OTHER FACTORS OF QUALITY IN RAW COTTON. (U.S. Production and marketing administration. Cotton branch) 27 p. January 1951.
- G-13105 Heyn, A.N.J.  
CAUSES AND DETECTION OF DAMAGE IN RAW COTTON. (Textile Inds. 120(5): 137-145) May 1956.
- G-13122 Mayer, Mayer, jr.  
SRRL LOOM ATTACHMENT MAKES WEATHERPROOF FABRICS. (Textile World 106(4):126-127,200,202,204) April 1956.
- G-13327 Stevens, Hazel T., and Mary Noka Hood  
INVESTIGATION OF TARPAULIN MATERIALS AND THE EFFECT OF THE ELECTRICAL CHARGES OF VARIOUS FIBERS IN FABRICS ON THE RETENTION AND FILTRATION OF ORGANISMS. (Florida state university, Tallahassee) (U.S. Chemical corps. Contract DA-18-064-404-CML-13, second quarterly progress report; . . . (ASTIA Document) AD 89475) For the period: Oct. 1, 1955 - Jan. 1, 1956. 17 p. (n.d.)
- G-13371 Egerton, G.S.  
THE PROPERTIES OF TEXTILE MATERIALS. 5. THE ACTION OF LIGHT ON TEXTILE MATERIALS. (Textile Inst., J. 47:P476-P480) July 1956.
- P-1965 Desson, Robert Gregor, Harry Rose Hadfield and Leonard Wood  
PROCESS FOR REDUCING THE DEGRATIVE ACTION OF LIGHT ON NYLON TEXTILE MATERIALS. (Robert Gregor Desson, Harry Rose Hadfield and Leonard Wood, all of . . . Manchester, . . . and Imperial chemical industries limited . . . Ct. Brit. Pat. spec. 649,481; January 24, 1951) 3 p.

- P-2093 Rhodiaçeta, Seine (Dept.), France  
PROCÉDE DE PROTECTION DE MATIERES SENSIBLES À LA LUMIÈRE.  
(France Pat. 955,259; January 9, 1950) Inventor:  
Guillaume-Charles-Edmond Lardy. 3 p.
- P-2974 Buckwalter, Howard M.  
PROTECTION OF CELLULOSE AGAINST HEAT AGING. (Howard M. Buckwalter,  
Detroit, Mich., assignor to United States Rubber Company, New  
York, N.Y., a corporation of New Jersey. U.S. Pat. 2,650,891;  
September 1, 1953) 5 p.
- P-3066 Geigy (J.R.) Aktiengesellschaft, Basel, Switz.  
BESTANDIGES PRAPARAT ZUM VERBESSERN DER ECHTHEITEN VON FARBUNGEN.  
(Tr.: Improving the wash fastness of direct dyeings) (Switzerland  
Pat. Spec. 288382; May 16, 1953) 3 p.
- P-3269 Kurashiki rayon kabushiki kaisha. Kurashiki, Japan  
TREATMENT OF POLYVINYL ALCOHOL FIBRES TO IMPROVE THEIR RESISTANCE  
TO WATER AND TO HEAT. (Gt. Brit. Pat. spec. 718,090; Nov. 10,  
1954) 5 p.
- P-3856 Gabler, Rudolf and Paul Kummel  
POLYAMIDES CONTAINING CHROMIUM SALTS AS LIGHT STABILIZERS. (Rudolf  
Gabler, Tamins, Graubunden, and Paul Kummel, Ems, Graubunden,  
Switzerland, assignors to Inventa A.G., Forschung und Patent-  
verwertung Luzern, Lucerne, Switzerland. U.S. Pat. 2,739,139;  
March 20, 1956.) 3 p.
- P-3888 Ward, George C., Firmin J. Porter and George W. Seymour  
DRY CLEANING OF CELLULOSE ACETATE FABRICS WITH A FADING INHIBITOR  
IN THE SOLVENT. (George C. Ward, Cumberland, and Firmin J.  
Porter, Frostburg, Md., and George W. Seymour, Maplewood, N.J.,  
assignors to Celanese corporation of America, New York, N.Y.,  
a corporation of Delaware. U.S. Pat. 2,741,533; April 10, 1956.)  
2 p.
- X-657 REFERENCES RELATING TO THE EFFECTS OF LIGHT AND WEATHERING,  
(EXCLUSIVE OF PURELY BIOLOGICAL DETERIORATION) ON CELLULOSE,  
WOOL, SILK AND A FEW SYNTHETIC FIBERS. (Source unknown) 8 p.  
typewritten.
- X-672 Mason, C.W., and F.B. Rosevear  
THE DEGRADATION OF ORIENTED CELLULOSE STRUCTURES BY POLARIZED  
ULTRAVIOLET LIGHT. (J. Chem. Soc. 61:2995-3001) 7 p. November  
1939.
- X-677 Grimes, Mary Anna  
FURTHER STUDIES OF THE EFFECT OF SUNLIGHT ON THE STRENGTH AND COLOR  
OF COTTON FABRICS. (Texas. Agricultural experiment station,  
College Station. Bulletin no. 506) 42 p. May 1935.
- PDL-30013 Parisot, A., and A. Fréso  
RELATION ENTRE LE DEGRÉ DE POLYMERISATION ET LES PROPRIÉTÉS  
MECANIQUES DES FIBRES DE COTON DEGRADÉES PAR LES HYPOCHLORITES.  
(Ann. Sci. Text. Belges no. 3:226-243) September 1955.

- PDL-30019 Hall, A.J.  
DETERIORATION OF POLYAMIDE FIBRES BY HEAT AND LIGHT. RECENT  
PROGRESS IN IMPROVING STABILITY. (Texture 3(1):18-20)  
March 1956.
- PDL-30039 Howitt, F.O.  
THE PROPERTIES OF TEXTILE MATERIALS. 6. THE CHEMICAL ATTACK OF  
TEXTILE FIBRES. PART I(A). CELLULOSIC FIBRES. (Textile Inst.  
J. 47:P909-P933) November 1956.
- PDL-30067 Brysson, Ralph J., W. Norbert Berard, and John V. Bailey  
PROTECTIVE TREATMENTS FOR COTTON AWNINGS. (Textile Research J.  
27:209-213) March 1957.
- PDL-30068 Gantz, G.M., and W.G. Sumner  
STABLE ULTRAVIOLET LIGHT ABSORBERS. (Textile Research J. 27:244-  
251) March 1957.
- PDL-30271 Cooke, Theodore F., Linton A. Fluck and Philip B. Roth  
SILICONATE-AMINOPLAST COMPOSITIONS AND TEXTILES COATED THEREWITH.  
(Theodore F. Cooke, Martinsville Linton A. Fluck, Plukemin,  
and Philip B. Roth, Somerville, N.J., assignors to American  
cyanamid company, New York, N.Y., a corporation of Maine.  
U.S. Pat. 2,785,145; March 12, 1957) 3 p.
- PDL-30309 Steiger, Fred H.  
THE YELLOWING OF NYLON. (Textile Research J. 27:459-465) June  
1957.
- PDL-30387 Frampton, Vernon L. (Texas University)  
THE WEATHERING OF CELLULOSIC MATERIALS. (U.S. Wright air develop-  
ment center. Technical report 54-135; . . . (ASTIA Document)  
AD 89172) 65 p. December 1953.
- PDL-30391 Templeton, J. Glenn (North Carolina. University. State college of  
agriculture and engineering. Textile school)  
A STUDY OF THE EFFECTS OF CHEMICALS ON THE PROPERTIES OF PARACHUTE  
FABRICS. (U.S. Wright air development center. Technical report  
55-340; . . . (ASTIA Document) AD 97243) 198 p. September 1956.
- PDL-30413 Cluett, Peabody & Company, Inc., Troy, N.Y.  
AN IMPROVED PROCESS FOR IMPARTING DIMENSIONAL STABILITY TO CELLULOSE  
TEXTILE FABRICS. (Gt. Brit. Pat. specification 744,991; Feb. 15,  
1956) 22 p.
- PDL-30528 Würz, Albrecht  
VERÄNDERUNGEN UND EVENTUELLE SCHÄDIGUNG DER WOLLE BEI VERSCHIEDENEN  
FÄRBEVERFAHREN/2. MITT. (Melliand Textilber. 36:810-813)  
August 1955.
- PDL-30529 Würz, Albrecht  
VERÄNDERUNGEN UND EVENTUELLE SCHÄDIGUNG DER WOLLE BEI VERSCHIEDENEN  
FÄRBEVERFAHREN. (Tr.: Changes and possible tendering of wool and  
various dyeing processes) (Melliand Textilber. 36:589-596)  
June 1955.

- PDL-30586 MacMillan, W.G., and S.N. Basu  
PROTECTION OF JUTE MATERIALS AGAINST MICRO-BIOLOGICAL & ACTINIC  
DETERIORATION. PART II. EVALUATION OF SOME PROOFING AGENTS  
AGAINST WEATHER EXPOSURE. (J. Sci. Ind. Research (India) 16C:  
95-100) April 1957.
- PDL-30592 O'Connell, R.A., and M.K. Walden  
INFLUENCE OF IONIZING RADIATIONS ON WOOL FIBER PROPERTIES. (Textile  
Research J. 27:516-518) July 1957.
- PDL-30593 Rose, G.R.F., and C.H. Bayley  
A STUDY OF THE WEATHERING CHARACTERISTICS OF COTTON FABRICS CON-  
TAINING INORGANIC COMPOUNDS. PART II. FURTHER WORK ON COPPER-  
CHROMIUM TREATMENTS. (Textile Research J. 27:519-528) July  
1957.
- PDL-30631 Schmitt, C.H.A.  
AUTOMOTIVE FABRICS: FACTORS WHICH AFFECT LIGHTFASTNESS. (Am. Dyestuff  
Reptr. 46:P351-P364) May 1957.
- PDL-30632 Klens and W.J. Stewart  
NEW DEVELOPMENTS IN TEXTILE PRESERVATION. (Am. Dyestuff Repr.  
46:346-350) May 1957.
- PDL-30635 Boggiss, Ivor W.  
CATCC (Canadian association of textile colourists & chemists) HEARS  
DISCUSSION ON COLOR FASTNESS TO LIGHT. (Daily News Record, p. 33)  
May 20, 1957.
- PDL-30644 Ross, Jack E.  
CHANGING TRENDS IN REQUIREMENTS FOR PARACHUTE TEXTILE MATERIALS.  
(Am. Dyestuff Repr. 46:P483-P487) July 1957. Part of Sym-  
posium: Changing trends in military requirements.
- PDL-30692 Kleinert, Th. N., and V. Moessner  
EINIGE BEOBACHTUNGEN UBER ALTERUNGSERSCHEINUNGEN AN VISKOSEZEL-  
LWOLLE. (Textil-Rundschau 12:124-129) March 1957.
- PDL-30765 Brown, Clifford M., and Frank E. Rupert  
DETERMINATION OF THE MINIMUM THICKNESS OF NEOPRENE COATING NECES-  
SARY TO PROTECT NYLON FABRIC FROM DETERIORATION BY WEATHER.  
(U.S. Engineer center, Ft. Belvoir, Va. Engineer research and  
development laboratories. Report 3402-2) 9 p. February 1957.
- PDL-30812 Kadyrov, Sh.  
EFFECT OF SUNLIGHT ON THE PROPERTIES OF COTTON. (Tekstil. Prom.  
16(9):14-16) 1956. In Russian.

PDC Search No. 62-051

- PDL-30844 Alvang, Folke and Olof Samuelson  
CARBOXYL AND CARBONYL GROUPS IN CELLULOSE DEGRADED BY AGING  
OF ALKALI CELLULOSE. (In Svensk Papperstidn. 60:31-36)  
January 1957. Summary in Swedish, English, and German.
- PDL-30861 Bird, C.L.  
GAS FUME FAULT ON WOOL. (In Soc. Dyers Colourists, J. 71:46)  
January 1955.
- PDL-30862 Cunliffe, P.W.  
INFLUENCE OF TEMPERATURE AND HUMIDITY ON FADING. (In Soc.  
Dyers Colourists, J. 72:330-332) July 1956.
- PDL-30955 Machell, G., G.N. Richards, and H.H. Sephton  
THE ALKALINE DEGRADATION OF CELLULOSE. (In Chemistry & Industry  
no. 15:457-469) April 1957.
- PDL-30964 McLaren, K.  
A CRITICAL APPRAISAL OF THE INTERNATIONAL DAY-LIGHT FASTNESS  
TEST. (In Soc. Dyers Colourists, J. 77:121-127) April 1957.  
Publications sponsored by the Society's Fastness Tests, co-  
ordinating committee, 22.
- PDL-31018 Tewari, M.C.  
FIXATION OF WOOD PRESERVATIVES IN CANES, ROPES, GRASS & CLOTH.  
(In Timber Dryers' & Preservers' Assoc. of India, J. 3(3):  
10-16) July 1957.
- PDL-31064 Grimes, Mary Anna and Carolyn A. Werman  
EFFECTIVENESS AND SERVICEABILITY OF FOUR HOME-APPLIED COTTON  
FABRIC FINISHES. (Texas. Agricultural experiment station,  
College Station. Bulletin no. 853) 11 p. March 1957.
- PDL-31067 Lock, M.V.  
WHY DYED CELLULOSE FIBERS ROT. BRITISH RAYON RESEARCH ASSOCIATION  
WORKERS EXPLAIN HOW ANTHRAQUINONOID DYES ATTACK CELLULOSE.  
(In Chem. Eng. News 35(23):26) June 1957. At head of title:  
Research.
- PDL-31111 Zahn, Helmut and Erika Kratzsch  
UBER MISCHGESPINSTE AUS WOLLE UND CHEMIEFASERN. 6. MITT.: BEBET-  
TERUNG VON MISCHGARNEN AUS WOLLE UND SYNTHETISCHEN FASERN  
(PERLON, DRALON, UND DIOLON). (In Melliand Textilber. 38:  
423-428) April 1957. (Tr. title: Blends of wool and chemical  
fibers. Influence of weather upon mixed yarns of wool and  
synthetic fibers (perlon, dralon, and diolon)
- PDL-31169 Klust, Gerhard  
ZUR WETTERFESTIGKEIT VON ZWIRNEN AUS EINIGEN SYNTHETISCHEN  
FASERSTOFFEN. (In Textil-Praxis 12:233-237) March 1957.  
(Tr. title: The weather-resistance of yarns from some  
synthetic fibres)

- PDL-31191 Cooper, B.S.  
SOME PHOTOCHEMICAL ASPECTS OF NATURAL AND ARTIFICIAL LIGHTING.  
(In G.E.C. Journal (London) 23:192-202) October 1956.
- PDL-31238 Glegg, R.E., and Z.I. Kertesz  
AFTEREFFECT IN THE DEGRADATION OF CELLULOSE AND PECTIN BY GAMMA RAYS. (In Science 124:893-894) November 1956.
- PDL-31247 Mithel, B.B., G.H. Webster and W.H. Rapson  
THE ACTION OF WATER ON CELLULOSE BETWEEN 100 AND 225°C. (In Tappi 40:1-4) January 1957.
- PDL-31263 Rose, G.R.F., M.E. Fraser and C.H. Bayley  
SOME ASPECTS OF THE USE OF 2,2'-DIHYDROXY 5,5'-DICHLORODIPHENYL METHANE AS A TEXTILE FUNGICIDE. (In Am. Dyestuff Repr. 46: 385-390) June 1957.
- PDL-31347 Kuhn, Joseph M., Frank A. Sheldon and Max Silverman  
STABILIZATION OF NYLON THREADS AND FABRICS TO SUNLIGHT. (Joseph M. Kuhn, Haddonfield, Frank A. Sheldon, Magnolia, and Max Silverman, Haddon Heights, N.J., assignors to the Sherwin-Williams company, Cleveland, Ohio, . . . . U.S. Pat. 2,790,734; April 30, 1957.) 4 p.
- PDL-31380 Iwanow, N., and R. Schneider  
UN DÉFAUT DE STOCKAGE PAR ACTION DE LA LUMIÈRE: STRIURES SUR TISSUS VISCOSE-ACÉTATE PAR SUITE DE DIFFÉRENCES APPARENTES DE PIGMENTATION DANS LES FIBRES (MATEES AU TiO<sub>2</sub>). (In Bull. inst. textile France 1956, no. 63:7-13) October 1956. (Tr. title: A storage defect caused by the action of light: Streaks on viscose-acetate fabrics resulting from apparent pigmentation differences in the fibres (delustered) by titanium dioxide)
- PDL-31430 Ruzsnak, Istvan and M. Fehervari  
A PAMUT FENYOKOZTA KÁROSODÁSÁNAK VIZSGÁLATA. (In Magyar Textiltech. no. 7:255-257) 1955. (Tr. title: Investigation into the photochemical degradation of cotton fabrics)
- PDL-31650 Sitch, D.A., and S.G. Smith  
THE OXIDATION OF SILK FIBROIN BY HYDROGEN PEROXIDE AND BY PERACETIC ACID. (In Textile Inst., J. 48:T341-T-355) September 1957.
- PDL-31720 Chilikin, M.M., and M.N. Zusman  
WAYS OF IMPROVING THE WATER-REPELLENT QUALITIES OF TARPAULIN FABRICS. (In Tekstil. Prom. 16(9):37-40) September 1956.
- PDL-31856 Norton, J.E. (Chairman), American association of textile chemists and colorists. Committee on colorfastness to light  
A STUDY OF THE VARIABLES ENCOUNTERED IN NATURAL LIGHT FADING.  
(In Am. Dyestuff Repr. 46:P861-P883) November 1957.
- PDL-32101 Okamoto, Susumu and Sonoe Imai  
THE DECOMPOSITION OF SILK FIBROIN BY SUNLIGHT. 3. ON THE MECHANISM OF THE YELLOWING OF SILK. (In Soc. Textile Cellulose and Ind., Japan, J. 13:139-143) March 1957. In Japanese with English summary.



- PDL-32102 Yoshida, Minazo and Takeshi Hashimoto  
THE TENDERING OF DYED NYLON 6 BY EXPOSURE TO LIGHT. 1. THE  
TENDERING OF NYLON 6 DYED WITH ACETATE COLOURS. (In Soc.  
Textile Cellulose and Ind., Japan, J. 13:165-169) March 1957.  
In Japanese with English summary.
- PDL-32160 Arnold, L.B., jr.  
RELATION OF THE EFFECT OF RESINS ON LIGHT FADING AND THE TENDERING  
ACTION OF PHOTOSENSITIVE VAT DYES. (In Am. Dyestuff Repr. 47:  
P39-P48) January 1958.
- PDL-32230 Bryson, Ralph J., W. Norbert Berard, John V. Bailey and A. Mason  
Du Pre, jr.  
NEW HORIZONS FOR CANVAS AWNINGS. (In Canvas Prod. Rev. 32(12):  
36-37,40-42) May 1957.
- PDL-32248 Rawlins, F.I.G.  
THE CARE OF WORKS OF ART. (In Research (London) 11:2-6) January  
1958.
- PDL-32253 Goldthwait, Charles F., and Helen M. Robinson  
IMPROVED LIGHT AND WEATHER RESISTANCE OF COTTON RESULTING FROM  
MERCERIZATION. (In Textile Research J. 28:120-126) February  
1958.
- PDL-32254 American association of textile chemists and colorists. Delaware  
Valley section  
THE STUDY OF LIGHTFASTNESS OF SELECTED DIRECT COLORS ON COTTON,  
RAYON AND COTTON-RAYON BLENDS. (In Am. Dyestuff Repr. 47:  
P115-P117) February 1958.
- PDL-32359 Sippel, A.  
FESETZMASSIGKEITEN, BEIM ABBAU VON TEXTILFASERN DURCH ENERGIEREICHE  
STRAHLUNG UND WARME. (In Melliand Textilber. 38:898-904)  
August 1957. (Tr. title: Degradation of textile fibers by  
high energy radiations and by heat)
- PDL-32364 Mecheels, O., M. Nopitsch, A. Kling and J. Mecheels  
UBER DIE PHYSIOLOGISCHEN EIGENSCHAFTEN VON MISCHTEXTILIEN. (In  
Melliand Textilber. 38:1144-1151) October 1957. (Tr. title:  
The physiological properties of mixed textile materials)
- PDL-32423 Mal'tsev, N.D., and O.I. Agapova  
LOSS OF STRENGTH IN SULFUR BLACK-DYED COTTON FABRICS. (In Tekstil.  
Prom. 17(7):37-40) July 1957. In Russian.
- PDL-32519 Flynn, Joseph H., and William K. Wilson  
DEGRADATION OF CELLULOSE IN A VACUUM WITH ULTRAVIOLET LIGHT. (In  
J. Research Natl. Bur. Standards 60:229-233) (U.S. National  
Bureau of standards. Research paper 2841) March 1958.

- PDL-32624 Norton, J.E.  
COLOURFASTNESS TO LIGHT TESTING IN THE FADE-OMETER. (In Can.  
Textile J. 74(15):45-50) July 1957.
- PDL-32625 Staplos, M.L.  
THE DETERMINATION OF COLOUR FASTNESS TO LIGHT. (In Can. Textile  
J. 74(13):81-85) June 1957.
- PDL-32750 U.S. Engineer center, Ft. Belvoir, Va. Engineer research and  
development laboratories. Climatic test branch.  
SUMMARY OF TROPIC TESTS, 1955; CONDUCTED BY CORPS OF ENGINEERS FIELD  
TEST TEAM (TROPIC), PANAMA CANAL ZONE. (U.S. Engineer center,  
Ft. Belvoir, Va. Engineer research and development laboratories.  
Technical report 1499-TR; . . . (ASTIA Document) AD 143620)  
29 p. September 1957.
- PDL-32795 Marsh, Paul B., G.V. Merola and M.L. Butler  
THE INFLUENCE OF WEATHERING PRIOR TO HARVEST ON CERTAIN PROPERTIES  
OF COTTON FIBERS. (In Textile Research J. 28:95-111) February  
1958.
- PDL-32850 Vinea, E.  
CONTRIBUTII LA TEORIA DEGRADARII FOTOCHIMICE A FIBRELOR SINTETICE  
POLIAMIDICE. (In Industria Textila (Bucharest) 8:64-68)  
February 1957. (Tr. title: The theory of photochemical  
degradation synthetic polyamide fibres)
- PDL-32972 Schmitt, C.H.A.  
RECENT INVESTIGATIONS IN THE U.S.A. ON SUN, DAYLIGHT TEST METHODS.  
(In Can. Textile J. 74(17):57-65) August 1957.
- PDL-32974 Nickerson, Dorothy and Josephine J. Tomaszewski  
SUGAR, pH, AND STRENGTH CHANGES IN COTTON DURING STORAGE. (In  
Textile Research J. 28:528-529) June 1958.
- PDL-32976 Nickerson, Dorothy and Josephine J. Tomaszewski  
COLOR CHANGE IN RAW COTTON RELATED TO CONDITIONS OF STORAGE. (In  
Textile Research J. 28:485-497) June 1958.
- PDL-32996 Badische Anilin- & Soda-Fabrik Aktiengesellschaft, Ludwigshafen,  
Germany  
IMPROVEMENTS IN THE PRESERVATION OF THREADS AND PRODUCTS THEREFROM.  
(Gt. Brit. Pat. specification 789,998; January 29, 1958) 2 p.
- PDL-33041 Macmillan, W.G., and H.P. Bhattacharjee  
ANALYTICAL STUDIES OF PHOTOCHEMICALLY DEGRADED JUTE. PART II.  
(In Indian Chem. Soc., J. 34:731-738) October 1957.
- PDL-33042 Hashimoto, Takeshi  
THE PHOTOCHEMICAL DEGRADATION OF 6 NYLON. 1. (In Bull. Chem. Soc.  
Japan 30:950-952) December 1957.

- PDL-33121 Salvin, V.S. (Chairman) American association of textile chemists and colorists. Committee on lightfastness. Sub-committee on relation of atmospheric contaminants to lightfastness  
EFFECT OF ATMOSPHERIC CONTAMINANTS ON LIGHTFASTNESS TESTING.  
(In Am. Dyestuff Repr. 47:P450-P451) June 1958.
- PDL-33149 Bayley, C.H.  
MEMORANDUM ON RELATIVE EFFICACY AS TEXTILE FUNGICIDES OF ZINC CUNIMENE AND FUGITROL 50. (National research council, Canada)  
5 p. April 1958.
- PDL-33195 Baskin, A. David and Arthur M. Kaplan  
PHOTOTENDERIZATION BY ANTHRAQUINONE 2,6-DISULFONIC ACID OF COTTON DUCK BEFORE AND AFTER WEATHERING. (In Textile Research J. 28:554-559) July 1958.
- PDL-33267 Salvin, Victor S., and Ruth A. Walter  
ANTHRAQUINONE DYESTUFFS. (Victor S. Salvin, Irvington, and Ruth A. Walter, Summit, N.J., assignors to Celanese corporation of America, New York, N.Y., a corporation of Delaware. U.S. Pat. 2,827,356; March 18, 1958) 4 p.
- PDL-33270 Steiger, Fred Harold  
PROCESS OF PREVENTING DISCOLORATION OF NYLON TEXTILES WITH UREA, BIURET, DICYANDIAMIDE OR AMMONIUM CYANATE AND A CREASE PROOFING RESIN AND PRODUCTS PRODUCED THEREFROM. (Fred Harold Steiger, Philadelphia, Pa., assignor to Rohm & Haas company, Philadelphia, Pa., a corporation of Delaware. U.S. Pat. 2,823,093; February 11, 1958) 3 p.
- PDL-33293 Higginbotham, R.S., and F.W. Thomas  
FLUORESCENT WHITENING AGENTS. (In Nature 181:1437-1439) May 1958.
- PDL-33499 Yeager, Charles C., and Jay C. Chapin  
DEVELOPMENT OF EFFECTIVE NON-TOXIC FLUORINATED FUNGICIDAL FORMULATIONS FOR COTTON MATERIALS. (Scientific oil compounding company, inc., Chicago, Ill.) (U.S. Wright air development center. Technical report 58-303; . . . ASTIA Document) AD 203525) 61 p. October 1958.
- PDL-33519 Zazulina, Z.A.  
FTORLON, A NEW SYNTHETIC FIBRE. (In Tekstil. Prom. 17(5):6-7) May 1957. In Russian.
- PDL-33520 Sergeeva, Z.I., and I. Khmel'nitskaya  
METHOD OF ARTIFICIAL ACCELERATED AGEING OF COTTON FABRICS DYED WITH SULPHUR BLACK. (In Tekstil. Prom. 17(6):42-44) June 1957. In Russian.

- PDL-33581 Friele, L.C., and H.J. Selling  
COMPARATIVE LIGHT-EXPOSURE TESTS WITH NATURAL DAYLIGHT AND THESE  
TESTERS: XENOTEST PL393, FUGITOMETER, CPA FADING LAMP, AND  
FADEOMETER. (Translated from article by L.C. Friele and  
H.J. Selling in Melliland Textilber. 38:1269-1273, November 1957.  
Translated by: G.F. Bush)
- PDL-33596 Coleman, R.A., and W.H. Peacock  
ULTRAVIOLET ABSORBERS. (In Textile Research J. 28:784-791)  
September 1958.
- PDL-33706 Erlich, Victor L.  
FIBER PROGRESS. NEW SUNLIGHT RESISTANT POLYETHYLENE. (In Modern  
Textiles Mag. 39(6):41-42) June 1958.
- PDL-33728 Brown, Clifford M.  
DETERIORATION OF NEOPRENE-COATED NYLON FABRICS. (In Rubber Age  
(N.Y.) 84:91-98) October 1958.
- PDL-33710 Sommer, Herbert  
EIGENSCHAFTSÄNDERUNGEN DER TEXTILIEN DURCH UMWELTEINFLÜSSE. (In  
Z. Ges. Textil-Ind. 60:12-16; 100-103) Jan.-Feb. 1958.  
(Tr. title: Physical changes in textiles caused by external  
influences)
- PDL-33764 Glegg, R.E., and Z.I. Kertesz  
EFFECT OF GAMMA-RADIATION ON CELLULOSE. (New York. Agricultural  
experiment station, Geneva. Journal paper 1047) (In J. Polymer  
Sci. 26:289-297) December 1957.
- PDL-33849 Stonehill, H.I.  
ABSORPTION SPECTRA OF AMINOANTHRAQUINONES. (In Soc. Dyers  
Colourists, J. 74:585) August 1958.
- PDL-33850 Egerton, G.S., and A.G. Roach  
STUDIES ON AMINOANTHRAQUINONE COMPOUNDS. 1. ABSORPTION SPECTRA IN  
SOLUTION AND IN THE SOLID STATE. 2. PHOTOCHEMISTRY OF DYED  
POLYMER FILMS. 3. PHOTOCHEMISTRY IN THE SOLID STATE. (In  
Soc. Dyers Colourists, J. 73:401-420) May 1958.
- PDL-33960 Frederick, Jacob K., jr., Robert E. Otto and David H. Pfister  
EVALUATION OF FUNGICIDAL VINYL COATED COTTON DUCK. (Lowell  
Technological Institute, Lowell, Mass. Research foundation)  
(U.S. Wright air development center. Technical report 57-306;  
. . . (ASTIA Document) AD 155686) 49 p. June 1958.
- PDL-33969 Paris. Institut textile de France  
EMPLOI DES APPAREILS D'INSOLATION ARTIFICIELLE POUR L'ESSAI DE  
SOLIDITÉ A LA LUMIÈRE. (In Bull. Inst. Textile France, 1957,  
no. 70:79-82) October 1957. (Tr. title: Use of devices for  
artificial sunlight exposure in testing fastness to light)

- PDL-33972      Cyrot, J., and J. Bouligaud  
INFLUENCE DES COLORANTS SUR LA DÉGRADATION AU LAVAGE ET A LA  
JAVELLISATION DU COTON. (In Bull. Inst. Textile France, 1957,  
no. 70:7-19) October 1957. Includes English Summary. (Tr.  
title: The influence of colors on the degradation of cotton  
during washing and bleaching)
- PDL-33983      McLaren, K.  
ASSESSMENT OF WEATHERING FASTNESS. A review of the present position.  
(In Soc. Dyers Colourists, J. 74:759-762) November 1958.  
Publications sponsored by the Society's Fastness Tests co-  
ordinating committee XXV.
- PDL-34085      Eckstein, Bernard H., Earl H. Olson and William F. Ames  
RESPONSES TO ENVIRONMENTAL CHANGES AND AN EQUATION OF STATE FOR  
NYLON YARN. (In Textile Research J. 28:701-707) August 1958.
- PDL-34131      Young, F.S., and W.R. Hindson  
THE IDENTIFICATION OF DAMAGE TO LIGNIFIED FIBRES. A NEW MICRO-  
SCOPICAL TEST USING IODINE AND SULPHURIC ACID. (In Textile  
Inst., J. 49:T554-T560) November 1958.
- PDL-34133      Haly, A.R.  
INTERACTION OF WOOL AND WATER. 4. RATES OF SWELLING OF VARIOUS  
KERATIN FIBRES FOLLOWING ABSORPTION OF WATER FROM THE LIQUID  
PHASE. (In Australian J. Applied Sci. 9:410-418) December  
1958.
- PDL-34319      Okamoto, Susumu and Tsuneko Yamaya  
THE DECOMPOSITION OF SILK FIBROIN BY SUNLIGHT. 4. ON THE CHANGES  
OF POLYTYROSINE BY LIGHT. (In Soc. Textile Cellulose and Ind.,  
Japan, J. 13:683-686) October 1957. In Japanese with English  
summary.
- PDL-34324      Major, William D.  
THE DEGRADATION OF CELLULOSE IN OXYGEN AND NITROGEN AT HIGH  
TEMPERATURES. (In Tappi 41:530-537) September 1958.
- PDL-34329      Beraru, W. Norbert, Gloria A. Gautreaux and Wilson A. Reeves  
FORMIC ACID COLLOID OF METHYLOLMELAMINE AS A WEATHER AND ROT  
RESISTANT FINISH FOR COTTON. (In Textile Research J. 29:126-  
133) February 1959.
- PDL-34379      Wilkinson, Robert A.  
THE EFFECT OF SOLAR RADIATION ON THE BREAKING STRENGTH OF OUTDOOR  
EXPOSED WEBBINGS. (U.S. Wright air development center. Technical  
report 58-201; . . . (ASTIA Document) AD 206893) 29 p. November  
1958.

- PDL-34406 Ciba Aktiengesellschaft, Basel, Switz.  
VERFAHREN UND PRÄPARATE ZUM VERBESSERN VON ECHTHEITSEIGENSCHAFTEN  
VON FARBUNGEN ODER DRUCKEN. (Ger. Pat. 933143; September 22,  
1955) Inventors: Otto Aibrecht, Jost Frei, Albert Landolt,  
Otto Kaiser, and Raymond Gunst. (Tr. title: Improvement of the  
fastness of colorings or prints)
- PDL-34433 Prati, Giovanni  
DEGRADAZIONE E STRUTTURA DEL NAILON 66. (In Ann. Chim. (Rome)  
48:15-33) January 1958. (Tr. title: Degradation and structure  
of nylon 66)
- PDL-34434 Rochas, —, — Pierret, and — Bellaton  
ETUDE COMPARATIVE DE LA TENEUR EN HUMIDITÉ D'ÉCHANTILLONS EXPOSÉS  
A LA LUMIÈRE SOLAIRE OU DANS UN APPAREIL D'IRRADIATION DU TYPE  
WEATHER OMEETER ATLAS. (In Bull. Inst. Textile France, 1958,  
no. 73:31-39) April 1958. Includes English summary. (Tr.  
title: Comparative study of the moisture content of samples  
exposed to sunlight or in an irradiation apparatus of the  
atlas weatherometer type)
- PDL-34496 Popova, S.L.  
THE EFFECT OF LIGHT AND ATMOSPHERIC CONDITIONS ON NET EQUIPMENT  
MATERIALS. (In Trudy Vsesoiuznogo Nauchno-Issledovatel'skogo  
Instituta Morskogo Rybnogo Khoziaistva i Okeanografii 30:227-  
233) 1955. In Russian.
- PDL-34542 Pakhomov, A.M.  
RADICAL MECHANISM OF THERMAL DECOMPOSITION OF CELLULOSE AND FORMA-  
TION OF LAEVOGLUCOSAN. (In Izvest. Akad. Nauk S.S.S.R. Otdel. Khim.  
Nauk no. 12:1497-1499) December 1957. In Russian.
- PDL-34610 Rusznák, István and Maria Fehérvári  
BEITRAGE ZUR LICHTECHTHEIT VON FARBSTOFFEN UND GEFARBTEN FASERSTOF-  
FEN FASERSTOFFEN. (In Textil-Praxis 13:293-298) March 1958.  
(Tr. title: The light-fastness of dyes and dyed fibres)
- PDL-34647 Courtaulds limited, London  
IMPROVEMENTS IN OR RELATING TO IMPARTING A FLAME PROOF, WEATHER  
RESISTANT FINISH TO CELLULOSIC TEXTILE MATERIALS. (Gt. Brit.  
Pat. Specification 800,157; August 20, 1958) Inventor: Frank  
Ward. 4 p.
- PDL-34666 Rabe, Paul  
ZUR FRAGE DER BESTIMMUNG DER LICHTECHTHEIT. (In Reyon Zellwolle  
Chemiefasern 7:855-860) December 1957. (Tr. title: Determination  
of light fastness)
- PDL-34772 Chatterjee, H., and A.K. Mazumdar  
A NOTE ON THE DEGRADATION OF JUTE CELLULOSE ON STORAGE. (In  
Textile Research J. 29:282-283) March 1959.
- PDL-34877 Asboth, Ilona, Bela Mihalik and Gyongyi Zoltan  
VON DER INNEREN RESERVE DER WOLLE. (In Textil-Praxis 13:659-664)  
July 1958. (Tr. title: Inherent resistance of wool)

- PDL-34970 Singleton, Robert W., William B. Horback, Jesse L. Riley and Basil S. Sprague  
REGENERATED CELLULOSE FILAMENTARY MATERIAL. (Robert W. Singleton, Florham Park, William B. Horback, Irvington, and Jesse L. Riley and Basil S. Sprague, New Providence, N.J., assignors to Celanese corporation of America, New York, N.Y., a corporation of Delaware. U.S. Pat. 2,862,833; December 2, 1958) 2 p.
- PDL-35008 Smith, Warren W.  
NATURAL WEATHERING AND INDOOR OPEN SHELF STORAGE EXPOSURE TESTING OF AIR FORCE FABRIC MATERIALS. (South Florida Test Service, Inc., Miami, Fla.) (U.S. Wright air development center. Technical report 58-502; . . . (ASTIA Document) AD 210226) 34 p. March 1959.
- PDL-35051 Weber, F., and D.A. Sinclair  
THE LIGHT-PROTECTIVE ACTION OF PIGMENTS IN CELLULOSE FIBRE. (NRC, Canada. Technical translation TT-786) From: Z. Ges. Textil-Ind. 59:484-486, 1957, translated by D. A. Sinclair. 9 p. 1958.
- PDL-35075 Schwen, G., and G. Schmidt  
SOME EXPERIMENTS ON THE EFFECT OF DYE, FIBRE, AND ATMOSPHERE ON LIGHT FASTNESS. (In Soc. Dyers Colourists, J. 75:101-105) February 1959.
- PDL-35114 Vinea, E., and P. Steckl  
CONTRIBUTIONS TO THE THEORY OF PHOTOCHEMICAL DEGRADATION OF SYNTHETIC POLYAMIDE FIBRES. (NRC, Canada. Technical translation TT-787) Translated by: P. Steckl and D.A. Sinclair. From: Industria Textilia 8:64-68, 1957.
- PDL-35160 Pan, Huo-Ping, B.E. Proctor, S.A. Goldblith, H.M. Morgan and R.Z. Naar  
THE INFLUENCE OF HIGH ENERGY RADIATION ON COTTON: PARTS I, II AND III. (In Textile Research J. 29:415-430) May 1959.
- PDL-35372 Toepffer, H.  
DER XENONBRENNER XE 1500 ALS STRAHLUNGSQUELLE FUR LICHTTECHNISCHES-PRUFUNGEN. (In Melliand Textilber. 39:1246-1251) November 1958. (Tr. title: The xenon burner XE 1500 as radiation source for light-fastness tests)
- PDL-35411 Riley, Malcolm W.  
ENGINEER'S GUIDE TO INDUSTRIAL TEXTILES. (In Materials in Design Eng. 50(1):115-130) July 1959.
- PDL-35581 COTTON DUCK FOR SOIL BURIAL, WEATHERING TESTS. (In Am. Dyestuff Repr. 48:70) August 1959.
- PDL-35732 Wood, J.O., R.S. Goy, and F.S. Daruwalla  
THERMAL EFFECTS IN TIRE CORD MATERIALS. (In Textile Research J. 29:669-678) September 1959.

- PDL-35768 Le Roux, P.L.  
PHOTOCHEMICAL DECOMPOSITION OF MERINO WOOL. (In S. African J. Agr. Sci. 1:273-287) September 1958.
- PDL-35774 McMahon, William, H. A. Birdsall, G.R. Johnson, and C.T. Camilli  
DEGRADATION STUDIES OF POLYETHYLENE TEREPHTHALATE. (In J. Chem. and Eng. Data 4(1):57-59) January 1959. (Bell telephone system, New York, N.Y. Technical publications. Monograph 3250)
- PDL-35799 Himmelreich, Werner  
NACHWEIS VON FASERSCHADIGUNGEN AN POLYAMIDGEWEBEN DURCH VISKOSIMETRISCHE BESTIMMUNG DES DURCHSCHNITTSPOLYMERISATIONSGRADES. (In Deut. Textiltech. 9:96-99) February 1959. (Tr. title: Determining the fiber damage of polyamide fabrics by viscometric determination of the average degree of polymerization)
- PDL-35802 Schurz, Josef and Edgar Kienzl  
ZUM WIRKUNGSMECHANISMUS DES  $TiO_2$  ALS KATALYSATOR FUR DIE LICHTSCHADIGUNG VON CELLULOSE. (In Faserforsch. u. Textiltech. 9: 513-519) December 1958. Includes English summary. (Tr. title: The reaction mechanism of  $TiO_2$  as catalyst for the light damage of cellulose)
- PDL-35933 Rochas, P., and ? Pierret  
DÉGRADATION A LA LUMIÈRE DE LA SOIE TEINTE EN NOIR. (In Bull. Inst. Textile France no. 77:99-109) October 1958. Includes English summary. (Tr. title: Photochemical degradation of black-dyed silk)
- PDL-35938 Nitschke, Gerd  
VERÄNDERUNGEN EINIGER WICHTIGER MECHANISCHTECHNOLOGISCHER EIGENSCHAFTEN VON UNBEHANDELTER UND CHEMISCH BEHANDELTER WOLLE DURCH FEUCHTIGKEIT. (In Faserforsch. u. Textiltech. 9:217-226) June 1958. Includes English summary. (Tr. title: Variations of some important mechanical-technological properties of untreated and chemically treated wool by humidity)
- PDL-36023 COATINGS FOR OUTDOOR FABRIC. (In Rohm and Haas Repr. 16(2):21-25) March/April 1958.
- PDL-36154 Kritzinger, C.C.  
WEATHERING IN WOOL. (In S. African Ind. Chemist 12:218-224) November 1958.
- PDL-36155 Veldsman, D.P.  
TRYPTOPHANE CONTENT OF WEATHERED WOOL AND MOHAIR AND MORPHOLOGICALLY DEVIATING WOOL. (In Chemistry and Industry no. 27:878-880) July 1959.
- PDL-56225 Hashimoto, Takeshi  
IMPROVEMENT OF LIGHT RESISTANCE OF NYLON. I. PHENOL TREATMENT. II. COPPER SULFATE TREATMENT. (In Soc. Textile and Cellulose Ind. Japan, J. 14:321-328) May 1958. Includes English summary.



- PDL-36226 Hashimoto, Takeshi  
IMPROVEMENT OF LIGHT RESISTANCE OF NYLON. 3. REACTIONS OF AMINO-END-GROUP OF NYLON WITH MONO-FUNCTIONAL REAGENTS. (In Soc. Textile and Cellulose Ind. Japan, J. 14:484-487) July 1958. Includes English summary.
- PDL-36278 Morris, Marry Ann, and Barbara Wilsey  
THE EFFECT OF SOIL ON THE PHOTOCHEMICAL DEGRADATION OF COTTON. (In Textile Research J. 29:971-974) December 1959.
- PDL-36494 Sadv, F.I., and R.I. Vylcheva  
ACTION OF LIGHT ON THE CELLULOSE OF COTTON FIBRES. (In Izvest. Vysshikh Ucheb. Zavedenii, Tekhnol. Tekstil. Prom. no. 1:132-136) 1959. In Russian.
- PDL-36502 Randall, David I.  
STABILIZED POLYESTER FIBRES. (David I. Randall, New Vernon, N.J., assignor to General aniline and film corporation, New York, N.Y., a corporation of Delaware. U.S. Pat. 2,920,978; January 12, 1960) 3 p.
- PDL-36519 Howard, John W., and Frank A. McCord  
COTTON QUALITY STUDY. 4. RESISTANCE TO WEATHERING. (In Textile Research J. 30:75-117) February 1960.
- PDL-36520 McMillan, O.J., jr., K.M. Decossas, G.L. Drake, jr., J.D. Guthrie and E.F. Pollard  
CHEMICAL MODIFICATION OF COTTON: AMINIZATION COST STUDY. (In Am. Dyestuff Repr. 48:37-38) August 1959.
- PDL-36523 McLaren, K.  
XENON-ARC FADING LAMPS. (In Soc. Dyers Colourists, J. 75:594-596) December 1959.
- PDL-36632 Chatterjee, J., and A.K. Mazumdar  
NATURE OF THE DEGRADATION OF JUTE CELLULOSE AND JUTE FIBER IN STORAGE. (In Textile Research J. 30:324-326) April 1960.
- PDL-36651 Busn, G.F.  
NEW ARTIFICIAL WEATHERING METHODS: RUBBER, PLASTICS AND TEXTILES. (In Am. Dyestuff Repr. 49:33-39) February 1960.
- PDL-36710 Abramova, N.I.  
STUDY OF THE METHOD FOR THE EVALUATION OF PHOTO-ACTIVE DYE PROPERTIES. (In Zhur. Priklad. Khim. 32:1563-1569) July 1959. In Russian.
- PDL-36716 Schulz, G<sup>nter</sup> Viktor and Friedrich Mertes  
UBER DEN OXYDATIVEN ABBAU VON ALKALICELLULOSE DURCH LUFTSAUERSTOFF. (In Papier, Das 13:469-475) October 1959. Includes English summary. (Tr. title: The oxidative degradation of alkali cellulose by the oxygen of air)

- PDL-36792 Arthur, Jett C., jr., Florine A. Blouin and Robert J. Demint  
THE EFFECTS OF GAMMA RADIATION ON COTTON CELLULOSE. (In  
Am. Dyestuff Reprtr. 49(11):21-26) May 1960.
- PDL-36797 Louw, D.F.  
WEATHERING AND THE RESULTING CHEMICAL CHANGES IN SOME SOUTH  
AFRICAN MERINO WOOLS. (In Textile Research J. 30:462-468)  
June 1960.
- PDL-36883 Griboedov, D.N., and V.F. Androsov  
EFFECT OF SUNLIGHT AND WEATHER ON TENSILE STRENGTH OF SYNTHETIC  
POLYAMIDE FIBERS (KAPRON), WOOL, AND SILK. (In Izvestiya  
Vysshikh Uchebnykh Zavedenii; Tekhnologiya Tekstil'noi Prom-  
yshlennosti 3(10):112-120) 1959. In Russian.
- PDL-36970 McLaren, K.  
VARIATIONS IN THE ASSESSMENT OF LIGHT-FASTNESS EXPOSURES. (In  
Soc. Dyers Colourists, J. 75:597-599) December 1959.
- PDL-37028 Bobeth, Wolfgang and Ursula Renner  
UNTERSUCHUNGEN UBER DAS ALTERUNGSVERHALTEN VERSCHIEDEN IMPRAG-  
NIERTER GLASGOWEBE (ALKALIHALTIG). (In Faserforsch. u.  
Textiltech. 10:263-270) June 1959. Includes English summary.  
(Tr. title: Examinations on the ageing behaviour of various  
impregnated glass cloth (containing alkali))
- PDL-37235 Delano, D.J.  
INCORPORATION OF ULTRAVIOLET ABSORBERS IN TEXTILES. (In Am.  
Dyestuff Reprtr. 49:P536-P537) July 1960.
- PDL-37470 Moder, Joseph J.  
A NOTE ON THE EFFECTS OF HUMIDITY AND ACTINIC EXPOSURE ON FABRIC  
STRENGTH. (In Textile Research J. 30:620-622) August 1960.
- PDL-37473 Schwenker, Robert F., jr., and Louis R. Beck, jr.  
THE DIFFERENTIAL THERMAL ANALYSIS OF TEXTILE AND OTHER HIGH POLY-  
MERIC MATERIALS. (In Textile Research J. 30:624-2626) August  
1960.
- PDL-37593 Weissbein, Leonard and Glenn E. Coven  
THE PHYSICAL STATE OF DIRECT DYES IN VISCOSE AND ITS INFLUENCE ON  
LIGHTFASTNESS. PART I. A METHOD OF EXAMINING THE PHYSICAL STATE  
OF DIRECT DYES IN VISCOSE. (In Textile Research J. 30:58-62)  
January 1960.
- PDL-37656 Graff, Leo C.  
AUTOMOTIVE TEST BRANCH REPORT ON TEST OF PLASTIC FABRIC (VINYL  
NYLON) TARPULINS. (U.S. Ordnance test activity, Yuma  
Arizona. Report OTA/TBS-1401/483 TW-601/15 . . . (ASTIA Document)  
AD 231299) 11 p. January 1960.

- PDL-37702 Okamoto, Susumu and Masao Kikuchi  
THE DECOMPOSITION OF SILK FIBROIN BY SUNLIGHT. V. ON THE DIS-  
CRYSTALLIZATION OF THE CRYSTALLINE PARTS OF SILK BY LIGHT.  
(In Nippon Sanshigaku Zasshi 27:267-373) December 1958.  
In Japanese with English summary.
- PDL-37703 Nishi, Hisami  
STUDIES ON THE PREVENTION OF YELLOWING AND DETERIORATION IN SILK.  
VI. ON THE ACTION OF THIOUREA RESIN ON THE YELLOWING AND THE  
DETERIORATION OF SILK IN HUMID ATMOSPHERES. (In Nippon  
Sanshigaku Zasshi 27:269-272) August 1958. In Japanese.
- PDL-37705 Hashimoto, Takeshi  
IMPROVEMENT OF LIGHT RESISTANCE OF NYLON. IV. ACETYLATION OF NYLON.  
V. ALKALI TREATMENT. (In Soc. Textile and Cellulose Ind. Japan,  
J. 15:897-905) November 1959. In Japanese with English summary.
- PDL-37745 Raes, G.  
NOTE AU SUJET DU GRISAILLEMENT DU COTON ET DE LA RÉPERCUSSION DE  
CE GRISSILLEMENT SUR LA QUALITÉ DU COTON. (In Bull. Agr. Congo  
Belge 49:1513-1516) December 1953. (Tr. title: Note on grey  
discoloration of cotton and the importance of this factor in  
cotton quality)
- PDL-37747 Rochas, P., and J.C. Martin  
ÉTUDE DE LA STABILITÉ A LA CHALEUR DU POLYAMIDE 6.6 (NYLON). (In  
Bull. Inst. Textile France, no. 83:41-84) August 1959. In-  
cludes English summary. (Tr. title: Study of the thermal stability  
of polyamide 6.6 (nylon))
- PDL-37833 Bridge, N.K.  
THE EFFECT OF ENVIRONMENT AND SUBSTITUENTS ON THE PHOTOCHEMICAL  
ACTIVITY OF ANTHRAQUINONOID VAT DYES AND THE ROLE OF  $n-\pi^*$   
TRANSITIONS. (In Soc. Dyers Colourists, J. 76:484-489) August  
1960.
- PDL-37943 Kalugin, N.V.  
DETERIORATION OF TENT FABRICS IN VARIOUS CLIMATIC CONDITIONS. (In  
Izvestiia Vysshikh Uchebnykh Zavedenii; Tekhnologiya Tekstil'noi  
Promyshlennosti 3(10):19-25) 1959. In Russian.
- PDL-38065 Elöd, E., and H. Jörder  
UNTERSUCHUNGEN UBER DIE SCHUTZWIRKUNG METALLISierter TEXTILIEN GEGEN  
Licht- und Wärmestrahlen. (In Z. ges. Textil-Ind. 62:103-108)  
February 1960. (Tr. title. Investigations into the protective  
action of metallized textiles against light and heat radiation)
- PDL-38189 Weissbein, Leonard and Glenn E. Coven  
THE PHYSICAL STATE OF DIRECT DYES IN VISCOSE AND ITS INFLUENCE ON  
LIGHTFASTNESS. PART II. THE RELATION BETWEEN THE PHYSICAL STATE  
OF DIRECT DYES IN VISCOSE AND LIGHTFASTNESS. (In Textile Re-  
search J. 30:62-66) January 1960.

- PDL-38198 Standring, P.T., and G.W. Penmore  
THE APPLICATION OF U.V. ABSORBERS TO TERYLENE POLYESTER FIBRE.  
(In Textile Inst., J. 51:P336-P338) August 1960.
- PDL-38209 Achwal, W.B., and G.M. Nabar  
ACTION OF OXIDIZING AGENTS ON CELLULOSE AND HYDROCELLULOSE. (In  
Textile Research J. 30:872-881) November 1960.
- PDL-38367 Jörder, H. and Vinh-Am  
ECHTHEIT GEFÄRBTEN TEXTILIEN BEI BELICHTUNG IM TAGESLICHT, IM  
FADEOMETER BZW. XENOTEST. (In Z. ges. Textil-Ind. 61:305-  
308) April 1959. (Tr. title: Fastness of dyed textiles on  
exposure to daylight in the fade-ometer and the xenotest)
- PDL-38420 Mikhailov, N.V., L.G. Tokareva and M.V. Kovaleva  
INVESTIGATION OF THE AGING MECHANISM OF SYNTHETIC FIBERS. 1. A  
STUDY OF THERMAL AND THERMO-OXIDATIVE REACTIONS OF POLYAMIDES AND  
OF THEIR FIBRES. (In Vysokomolekulyarnye Soedineniya 2:581-589)  
April 1960. In Russian with English summary.
- PDL-38652 Fels, Margaret  
WEATHERING OF TEXTILE YARNS. (In Textile Inst., J. 51:P648-P656)  
November 1960.
- PDL-38656 Bradbury, J.H.  
ULTRASONIC DEGRADATION OF WOOL AND HAIR. (In Nature 188:207-208)  
October 1960.
- PDL-38715 Tucker, S.G.  
PREFABRICATED AIRFIELD AND ROAD SURFACING MEMBRANES: TORRID ZONE  
STORAGEABILITY TESTS, 1954-1957. (U.S. Corps of engineers.  
Waterways experiment station, Vicksburg, Miss. Technical re-  
port 3-515; report 2; . . . PB 161869) 22 p. May 1960.
- PDL-38919 Legkun, J.A.  
ABSORPCJA SWIATLA PRZEZ TKANINY BARWIONE, PODDANE NASLONECZNIENIU.  
PARTS I AND II. (In Przegląd Włokienniczy 12:548-551; 595-600)  
1958. (Tr. title: Light absorption of dyed fabrics exposed to  
sunlight. Parts I and II)
- PDL-38923 Toepffer, Hans  
THE XENON ARC LAMP XE1500 AS A RADIATION SOURCE FOR LIGHT FASTNESS  
TESTING. (In Textile Mercury and Argus 141:840-844,856)  
December 1959.
- PDL-38975 Senwenker, Robert F., jr., Louis R. Beck, jr. and Walter J. Kauzmann  
THERMAL CHARACTERISTICS OF COATED TEXTILE FABRICS. (Textile research  
institute, Princeton, N.J.) (U.S. Naval supply research and  
development facility, Brooklyn, N.Y. Clothing and textile division.  
Contract N140(132)574425, final report (including summary report  
III)) 53 p. February 1960.

- PDL-38992      Tramnitz, Hans  
LICHTSCHÄDEN AN CAMPINGSTOFFEN. (In Spinner u. Weber 78:398-403)  
June 1960. Includes English foreword. (Tr. Title: Light  
tendering of camping materials)
- PDL-39033      Rose, G.R.F., J.B. Clifford and C.H. Bayley  
THE MECHANISM OF THE LOSS OF COPPER FROM COTTON FABRIC DURING  
ACTINIC BREAKDOWN UNDER CONDITIONS OF WETTING. PART I: PRE-  
LIMINARY EXPERIMENTS WITH COPPER CARBONATE. (In Textile  
Research J. 31:1-14) January 1961.
- PDL-39173      Bykov, A.N., and S.S. Frolov  
MODIFICATION OF PROPERTIES OF CELLULOSE MATERIALS ON FREEZING.  
(In Khim. Volokna no. 3:33-37) 1960. In Russian.
- PDL-39503      Robinson, Helen M., and Wilson A. Reeves  
A SURVEY OF THE EFFECT OF LIGHT ON COTTON AND OTHER CELLULOSIC  
FABRICS. (In Am. Dyestuff Repr. 50:17-31) January 1961.
- PDL-39513      Golova, O.P., N.S. Mayat and E.A. Andrievskaya  
MECHANISM OF OXIDATION OF CELLULOSE AND OF ITS APPROXIMATE MODELS  
BY ATMOSPHERIC OXYGEN. (In Vysokomolekulyarnye Soedineniya 2:  
337-340) March 1960. In Russian with English summary.
- PDL-39551      Roberts, N.F., J.F.P. James and V.D. Burgmann  
TENDERNESS IN FLEECE WOOL. (In Textile Inst., J. 51(Part I):  
T935-T952) December 1960.
- PDL-39568      Bell, J.W., D. Clegg and C.S. Shewell  
ACTION OF HEAT ON WOOL. (In Dyer (London) 124:98-99) July 1960.
- PDL-39670      Schmitt, C.H.A.  
LIGHTFASTNESS OF DYESTUFFS ON TEXTILES. A. GETTING BEST RESULTS  
THROUGH OPTIMUM DYING METHODS. B. ACCURATE EVALUATION THROUGH  
PROPER LIGHT TEST PROCEDURES. (In Am. Dyestuff Repr. 49:127-  
133) December 1960.
- PDL-39746      Daruwalla, E.H. and C.I. Peter  
FLUORESCENT BRIGHTENING AGENTS: THEIR PHOTO-DECOMPOSITION IN AQUEOUS  
SOLUTION AND ON SUBSTRATE AND PHOTOTENDERING ACTIVITY FOR CEL-  
LULOSE. (In Textile Research J. 31:263-276) March 1961.
- PDL-39969      Grünzweig & Hartmann G.-G., Ludwigshafen/Rhein, Germany  
GEGEN VERWITTERN BESTÄNDIGE, HOCHELASTISCHE SILIKAFASERN BZW.  
-FÄDEN. (Ger. Pat. 1,026,928; March 27, 1958) Inventor: Fritz  
Muthmann. 3 p. (Tr. Title: weather-resistant highly elastic  
silicate fibers and twines)

- PDL-40216 Maxwell, Helen H.  
A REVIEW OF THE AIR FORCE MATERIALS RESEARCH AND DEVELOPMENT PROGRAM. (U.S. Wright air development center. Technical report 53-373, supplement 6; . . . PB 111648S5; . . . (ASTIA Document) AD 229675) 163 p. November 1959.
- PDL-40222 Eirich, F.R., and L.A. Rajbenbach  
IMPROVEMENT OF THERMAL STABILITY OF TEXTILE FIBERS. (Brooklyn. Polytechnic institute. Progress report 1; . . . (ASTIA Document) AD 235903) 13 p. (n.d.) For the period: July 1, 1959 - Sept. 30, 1959.
- PDL-40247 Legkun, Ya.A.  
EFFECT OF DYE CONCENTRATION ON LIGHT FASTNESS OF DYED FIBRES. (In Zhur. Priklad. Khim. 33:1636-1641) July 1960. In Russian.
- PDL-40308 Morris, Mary Ann and Barbara W. Mitchell  
THE EFFECT OF AN AIRBORNE SOIL ON THE PHOTOCHEMICAL DEGRADATION OF NYLON. (In Textile Research J. 31:488) May 1961.
- PDL-40349 Martin, K.G.  
DETERIORATION OF BITUMINOUS ROOFING FABRICS. (Australia. Commonwealth scientific and industrial research organization. Division of building research. Technical paper 11) 11 p. 1961.
- PDL-40350 Lichtman, J.Z.  
CONTROL OF TEMPERATURE CHARACTERISTICS OF A MODIFIED ACCELERATED LIGHT AGING UNIT. (U.S. Naval Shipyard, Brooklyn, N.Y. Material laboratory. Laboratory project 5611-2, final report) 20 p. April 1961.
- PDL-40371 Wilcox, William S., Charles V. Stephenson, James C. Lacey, jr., and Bobby C. Moses  
DETERIORATION OF TEXTILE MATERIALS BY ULTRAVIOLET LIGHT. (Southern research institute, Birmingham, Ala.) (U.S. Wright air development center. Technical report 60-510; . . . PB 171417) 146 p. October 1960.
- PDL-40450 Hildebrand, D., and H. Würz  
EINWIRKUNG IONISIERENDER STRAHLEN AUF FASERKERATINE. (In Melliand Textilber. 41:1229-1231) October 1960. Includes English summary. (Tr. title: Effects of ionizing radiation on fiber keratin)
- PDL-40550 Bubser, W.  
VERGLEICHENDE UNTERSUCHUNGEN AN VERSCHIEDENEN BELICHTUNGS- UND BEWETTERUNGSGERATEN. (In Melliand Textilber. 41:1413-1416) November 1960. Includes English summary. (Tr. title: Comparison of instruments for light- and weather-exposure tests)
- PDL-40557 Rose, W. Gordon, Mayo K. Walden, and Joseph E. Moore  
COMPARISON OF ULTRAVIOLET LIGHT ABSORBERS FOR PROTECTION OF WOOL AGAINST YELLOWING. (In Textile Research J. 31:495-503) June 1961.

- PDL-40607 NEW TENTAGE MATERIAL DEVELOPED. (In Can. Textile J. 77(18):43-44) September 1960.
- PDL-41248 Strobel, A.F.  
IMPROVEMENT OF LIGHTFASTNESS OF DYEINGS ON SYNTHETIC FIBERS BY ULTRAVIOLET ABSORBERS. PART I. (In Am. Dyestuff Repr. 50(16): 583-588) August 1961.
- PDL-41266 Blouin, Florine A., Jett C. Arthur, jr., Rollin S. Orr, and Vega J. Ott  
THERMAL NEUTRON IRRADIATION OF COTTON. (In Textile Research J. 31:597-602) July 1961.
- PDL-41266 Swanepoel, O.A.  
THE SUPERCONTRACTION OF SOUND AND WEATHERED KERATIN FIBERS. (In Textile Research J. 31:618-624) July 1961.
- PDL-41466 Maerov, S.B., and H. Kobsa  
LIGHTFASTNESS STUDIES OF BASIC DYES ON ACID-MODIFIED "DACRON" POLYESTER FIBER. (In Textile Research J. 31:697-703) August 1961.
- PDL-41504 McGraw-Hill Book Company, New York, N.Y. (Mileaf, Harry)  
HANDBOOK OF FIBROUS MATERIALS. (U.S. Wright air development division. Technical report 60-584; . . . (ASTIA Document) AD 249782) 474 p. October 1960.
- PDL-41583 Kato, Koichi  
MICROSCOPICAL OBSERVATIONS ON 6-NYLON FILAMENTS UNDERGOING PHOTO-DEGRADATION. (In Soc. Textile and Cellulose Ind. Japan, J. 17:139-143) February 1961. In Japanese with English summary.
- PDL-41591 "Lunenschloss, J., and H. Kurth  
DER EINFLUSS DER BEWETTERUNG AUF DIE EIGENSCHAFTEN DER VERSCHIEDENEN TEXTILEN FASERSTOFFE (IV). (In Textil-Praxis 15:1283-1289) December 1960. (Tr. title: The effect of weathering on the properties of various textile fibres. IV.)
- PDL-41638 Kotake, Ryunosuke and Takenisa Okamoto  
SUNLIGHT DEGRADATION OF VARIOUS TYPES OF RAYON STAPLE. I. SUNLIGHT DEGRADATION OF RAYON STAPLES. II. SUNLIGHT DEGRADATION OF RAYON STAPLE FABRICS. (In Soc. Textile and Cellulose Ind. Japan, J. 17:11-20) January 1961. In Japanese with English summary.
- PDL-41639 Rochas, P., and S. Pierret  
SUR LA DÉTERMINATION DE LA PERTE A LA SOUDE DE LA SOIE SELON LA METHODE OKU ET SHIMIZU. (In Inst. Textile France, Bull. no. 92: 101-106) January/February 1961. Includes English summary. (Tr. title: Determination of alkali solubility of silk according to the method of Oku and Shimizu)
- PDL-41685 Datsy, K.V., G.M. Nabar, and G.C. Shroff  
THE OXIDATION OF COTTON CELLULOSE IN THE PRESENCE OF DIRECT COTTON DYES. (In Textile Research J. 31:813-820) September 1961.

- PDL-41786 Harris research laboratories, inc., Washington, D.C.  
ACCELERATED DETERIORATION OF TEXTILES. (ASTIA Document) AD  
257960), by Charles A. Rader and Anthony M. Schwartz. 6 p.  
June 1961.
- PDL-41857 Usmanov, Kh. U., and E.I. Kalabanovskaya  
THE ACTION OF GAMMA RAYS ON THE STRUCTURE OF CELLULOSE FIBERS.  
(In Vysokomolekulyarnye Soedineniya 3:223-227) February 1961.  
In Russian with English summary.
- PDL-41958 Bayley, C.H., and G.R.F. Rose  
THE COMMONWEALTH TEXTILE EXPOSURE PROJECT OF 1953. PART I: THE  
PLAN AND GENERAL OUTCOME. (NRC, Canada. Prepared for presenta-  
tion at Seventh Commonwealth defence conference on clothing and  
general stores. United Kingdom) 52 p. January 1961.
- PDL-42150 Eirich, F.R., P.G. Assarsson and W.M. Lee  
IMPROVEMENT OF THERMAL STABILITY OF TEXTILE FIBERS. (Brooklyn.  
Polytechnic institute. Institute of polymer research. Final report,  
including progress report 8) 20 p. June 1961.
- PDL-42221 Zapolskii, O.B.  
INVESTIGATION OF THE PHOTOCHEMICAL DEGRADATION OF CELLULOSE IN AIR.  
(In Vysokomolekulyarnye Soedineniya 3:376-381) March 1961.  
In Russian with English summary.
- PDL-42222 Golova, O.F., Ya.V. Epshtein and L.I. Durykina  
EFFECT OF INORGANIC COMPONENTS ON C—C CLEAVAGE DURING THERMAL  
DEGRADATION OF CELLULOSE. (In Vysokomolekulyarnye Soedineniya  
3:536-540) April 1961. In Russian with English summary.
- PDL-42420 Merrill, Malcolm H., and August T. Rossano, jr.  
ATMOSPHERIC POLLUTION. (Presented before the Interdisciplinary  
conference on atmospheric pollution at Santa Barbara, Calif.,  
June 1959)
- PDL-42442 Usmanov, Kh. U., and I.Sh. Inoyatov  
UPGRADING OF COTTON CORD BY MEANS OF OZONIZATION. (In Vysokomole-  
kulyarnye Soedineniya 2:88-91) January 1960. In Russian with  
English summary.
- PDL-42498 Young, F.S.  
THE DETERMINATION OF CUPRAMMONIUM FLUIDITY OF LIGNIFIED FIBRES.  
(In Textile Inst., J. Trans. 52:T324-T329) July 1961.
- PDL-42563 Harrison, G.K., and P.B. Marsh  
APPLICATION OF A THIOBARRITURIC ACID TEST TO WEATHERED RAW COTTON.  
(In Textile Research J. 31:1070-1071) December 1961.



- PDL-42621 Baker, Walter S., and Ernest R. Kaswell  
 HANDBOOK OF FIBROUS MATERIALS. (U.S. Wright air development  
 division. Technical report 60-584) 195 p. October 1961.
- PDL-42734 Sommer, Herbert and Hermann Vieth  
 UNTERSUCHUNGEN UBER DAS KLIMAVERHALTEN VON TEXTILIEN. I. DIE  
 VERANDERUNG DES BERSTFESTIGKEITSVERHALTENS VON GEWEBEN AUS VER-  
 SCHIEDENEN FASERSTOFFEN DURCH KLIMAEINFLUSSE. (In Faserforsch  
 u. Textiltech. 12:309-324) July 1961. Includes English summary.  
 (Tr. title: Studies on the climate-behaviour of textiles. I.  
 The change in the bursting strength behaviour of fabrics from  
 various fibres at different climates)
- PDL-42813 Harris research laboratories, inc., Washington, D. C.  
 ACCELERATED DETERIORATION OF TEXTILES. (. . . (ASTIA Document)  
 AD 261587), by Charles A. Rader and Anthony M. Schwartz.  
 7 p. August 1961.
- PDL-42834 Kalugin, N.V.  
 THE PHOTOCHEMICAL ATTACK OF TEXTILES WEATHERPROOFED BY IMPREGNATION.  
 (In Izvest. Vysshikh Ucheb. Zavedenii, Tekhnol. Legkoi Prom.  
 no. 2:73-78) February 1961.
- PDL-42999 Strobel, A.F.  
 IMPROVEMENT OF LIGHTFASTNESS OF DYEINGS ON SYNTHETIC FIBERS BY  
 ULTRAVIOLET ABSORBERS, PART II. (In Am. Dyestuff Repr. 51:P99-  
 P104) February 1962.
- PDL-43000 Wade, Ricardo H., Carl Hamalainen and Albert S. Cooper, Jr.  
 THE EFFECT OF THE UNSATURATED GROUP ON THE WEATHERING OF CHEMICALLY  
 MODIFIED COTTONS. (In Am. Dyestuff Repr. 51:25-28) January  
 1962.
- PDL-43022 Chu, C.C., R.A. Kenney, E.R. Kaswell and E.J. Stavrakas  
 THE MEASUREMENT OF ULTRAVIOLET REFLECTANCE AS A CRITERION OF NYLON  
 FABRIC DETERIORATION. (Fabric research laboratories, inc.,  
 Dedham, Mass.) (U.S. Dept. of the air force. Aeronautical  
 systems division. Wright-Patterson Air Force Base, Ohio. ASD  
 Technical report 61-560) 69 p. November 1961.
- PDL-43024 Stephenson, Charles V., William S. Wilcox, Bobby C. Moses and  
 Henry T. Crenshaw  
 DETERIORATION OF FIBROUS MATERIALS BY ULTRAVIOLET LIGHT. (Southern  
 research institute, Birmingham, Ala.) (Research report 6223-  
 1246-XI; U.S. Dept. of the air force. Aeronautical systems divi-  
 sion, Wright-Patterson Air Force Base, Ohio. ASD Technical  
 report 61-730) 36 p. December 1961.

- PDL-43137 Arthur, Jett C., jr., and Robert J. Demint  
THE EFFECTS OF GAMMA RADIATION ON COTTON. PART IV: APPARENT  
ENERGY OF ACTIVATION OF VISCOUS FLOW FOR DILUTE SOLUTIONS OF  
IRRADIATED COTTONS. (In Textile Research J. 32:108-111)  
February 1962.
- PDL-43138 Rogers, Morris R., and Arthur M. Kaplan  
THE NECESSITY FOR SCOURING THE "STANDARD" BLUE-LINE COTTON FABRIC.  
(In Textile Research J. 32:161-162) February 1962.
- PDL-43142 Rizzo, F.G.  
WEATHERING OF TEXTILES. A METHOD OF CALIBRATING RADIANT SOURCES.  
(In Am. Dyestuff Repr. 51:P124-P131) February 1962.
- PDL-43234 West, K., and Margaret Fels  
WEATHERING OF TEXTILE YEANS. (In Textile Inst., J. 53:P204-P206)  
February 1962.
- PDL-43282 Kato, Koichi  
PHOTODEGRADATION OF NYLON 6 FILAMENTS REVEALED BY MICROSCOPY. (In  
Textile Research J. 32:181-184) March 1962.
- PDL-43462 Dianich, M.M.  
THE EFFECT OF CHEMICAL PROCESSING ON THE LIGHT-STABILITY OF STAPLE  
FIBRE FABRIC. (In Izvestiia Vysshikh Uchebnykh Zavedenii;  
Tekhnologiya Tekstil'noi Promyshlennosti no. 5:96-100) 1960.  
In Russian.
- PDL-43475 Stott, G.L.  
EFFECT OF ULTRAVIOLET RADIATION ON THE DYEING PROPERTIES OF WORSTED  
FABRIC. (In Soc. Dyers Colourists, J. 77:206-208) May 1961.
- PDL-43648 Harris research laboratories, inc., Washington, D.C.  
ACCELERATED DETERIORATION OF TEXTILES. (. . . (ASTIA Document)  
AD 264930), by Charles A. Rader and Anthony M. Schwartz. 9 p.  
October 1961.
- PDL-43684 Brunnschweiler, E.  
TESTING LIGHT FASTNESS IN FADING LAMPS. (In Ciba Rev. no. 3:32-35)  
1961.
- PDL-44074 Lennox, F.G.  
A SPECTROPHOTOMETRIC STUDY OF YELLOWING IN WOOL FABRIC. (In  
Textile Inst., J. 51:T1193-1209) December 1960.
- PDL-44146 Holzer, Paul J.  
DIE WIRKUNG DER ULTRAVIOLETTEN STRAHLEN AUF DIE FESTIGKEITSEIGEN-  
SCHAFTEN DER BAUMWOLLSTOFFE. (In Melliand Textilber. 43:516-  
517) May 1962. (Tr. title: The action of ultraviolet rays on  
the strengtn properties of cotton fabrics)

- PDL-44165 Ripperton, Lyman A.  
LIGHT AND DARK PHASE OXIDANT PRODUCTION IN A NON-URBAN ATMOSPHERE.  
(In Air Pollution Control Assoc., J. 11:425-427) September  
1961.
- PDL-44172 Harris research laboratories, inc., Washington, D.C.  
ACCELERATED DETERIORATION OF TEXTILES. (. . . (ASTIA Document)  
AD 268252), by Charles A. Rader and Anthony M. Schwartz. 11 p.  
December 1961.
- PDL-44451 Egerton, G.S., E. Attle and M.A. Rathor  
PHOTOCHEMISTRY OF CELLULOSE IN THE FAR ULTRAVIOLET. (In Nature  
194:968-969) June 1962.
- PDL-44642 Lünenschloss, J., and H. Kurth  
THE WEATHER-RESISTANCE OF POLYPROPYLENE FIBRES. (In Textil-Praxis  
(International Edition) no. 1:8-10) 1962.
- PDL-44899 Beelik, Andrew and J. Kelvin Hamilton  
THE ULTRAVIOLET IRRADIATION OF MODEL COMPOUNDS RELATED TO CELLULOSE.  
(In J. Org. Chem. 26:5074-5080) December 1961.
- PDL-45230 Arkhipova, T.N., and A.S. Kryukova  
THE EFFECT OF WEATHERING AND REPEATED WASHING ON COTTON FABRICS  
TREATED WITH CARBAMOL Ts EM. (In Tekstil. Prom. 21(11):68-71)  
November 1961. In Russian.
- PDL-45266 Goudie, Alexander, J., and Gerald J. Liloia  
DISCOLORATION-RESISTANT REGENERATED CELLULOSE ARTICLES. (Alexander  
J. Goudie, Nixon, and Gerald J. Liloia, New Brunswick, N.J.,  
assignors, by mesne assignments, to American viscose corporation,  
Marcus Hook, Pa., a corporation of Delaware. U.S. Pat. 3,030,255;  
April 17, 1962) 4 p.
- PDL-45544 Chakravarty, T., R.G. Bose, and S.N. Basu  
FUNGI GROWING ON JUTE FABRICS DETERIORATING UNDER WEATHER EXPOSURE  
AND IN STORAGE. (In Applied Microbiol. 10:441-447) September  
1962.

PDC Search No. 62-051

PART III

EFFECTS OF CHEMICALS & ATMOSPHERIC POLLUTANTS

- A-899 Horigan, Francis D., and Cary R. Sage  
THE SERVICEABILITY OF FABRICS, A LITERATURE SURVEY, . . . .  
(U.S. Quartermaster depot, Philadelphia, Pa. Research and  
development laboratories. Technical library. Bibliographic  
series. No. 13; U.S. Office of technical services. Publica-  
tion board (series). PB 110281) 52 p. 1950.
- A-1133 U.S. Quartermaster corps. Military planning division. Research  
and development branch.  
DEGRADATION FROM WEATHERING OF TENTAGE FAERICS. (Textile series.  
Report no. 40; U.S. Office of technical services. Publication  
board (series) PB 105767) 147 p. September 1951.
- A-1394 Kline, H.A., and J. Bettinger  
ACID RESISTANT FABRICS, DEVELOPMENT OF SPECIFICATIONS FOR.  
(U.S. Naval base, Philadelphia, Pa. Industrial test laboratory;  
Specification-development report no. 2524; U.S. Armed services  
technical information agency. (ASTIA Document) AD 40373) 27 p.  
September 1954.
- F-127 I.G. Farbenindustrie Aktiengesellschaft, Leverkusen, Germany  
. . . VERFAHREN ZUR VERBESSERUNG DER WASCHBESTANDIGKEIT DER WAS-  
SERABWEISENDEN EIGENSCHAFTEN VON TEXTILIEN. . . . (U.S.  
Office of technical services. Publication board series PB 20545.  
Frames 2428-2439) 12 p. July 1941. (Tr. title: Process for  
improving the laundering stability of water-repellent textiles)
- F-914 Lieseberg, Friedrich  
VERHALTEN DER PCU-FASER GEGEN CHEMIKALIEN, VERROTUNGS-UND WIT-  
TERUNGSEINFLUSSE, WASCHFLOTTEN UND REINIGUNGSBADER. (In  
Textil-Praxis 9:650-656) July 1954. English summary added.  
(Tr. title: Resistance of PCU (polyvinyl chloride) fibers to  
chemicals, rot, weathering, washing solutions, and cleaning  
baths)
- F-916 Darnabe, N.  
TROPICAL-GEWEBE. (In Textil-Praxis 9:621) July 1954. English sum-  
mary included. (Tr. title: Tropical fabrics)
- F-1027 Krässig, H.  
EINWIRKUNG OXYDATIVER WASCHMITTEL AUF BAUMWOLLEGEWEBE 412. MITTEI-  
LUNG ÜBER MAKROMOLEKULARE VERBINDUNGEN. (In Melliand Textilber.  
36:265-267) March 1955. (Tr. title: Effect of oxygen-containing  
laundering agents on cotton fabrics. 412th Report on macromolec-  
ular compounds)
- G-342 Strickland, Winston B., Helmut Wakeham and Ewald L. Skau  
WATER REPELLENCY OF TEXTILE FABRICS. (Am. Dyestuff Repr. 54:178-  
182) 1945.
- G-469 Lee, William M.  
THE QUARTERMASTER FIGHTS THE WEATHER. . . . (In Am. Dyestuff Repr.  
35:P72-P76) February 1946.

- G-1142 American association of textile chemists and colorists.  
Northern New England section  
. . . A STUDY IN DETERGENCY. . . . (Am. Dyestuff Repr. 36:  
P91-P96) February 1947.
- G-1424 Allen, F.L., and E.A. Rudge  
THE DEGRADATION OF CELLULOSE BY CERTAIN METALLIC SALTS. (In  
Soc. Chem. Ind., J. 64:332-334) December 1945.
- G-1457 Klenk, Eugen "  
UBER FASERSCHADIGUNGEN BEIM BLEICHEN. (In Kolloid-Z. 108:10-16)  
1944. (Tr. title: Fiber damage caused by bleaches)
- G-1466 Graydon, Mary H., Dorothy M. Lindsley and Jessie B. Brodie  
MECHANICAL DEGRADATION OF RAYON FABRICS IN DOMESTIC LAUNDRY  
PROCEDURES. (In Am. Dyestuff Repr. 36(14):397-399) July  
1947.
- G-5950 American association of textile chemists and colorists. Mid-west  
section  
A NEW APPROACH TO THE EVALUATION OF WOOL OILS FOR RESISTANCE TO  
OXIDATION IN STORAGE. (Am. Dyestuff Repr. 39:P633-P635)  
September 1950.
- G-7056 "TERYLENE," THE NEW POLYESTER FIBRE. (Textile Weekly 46:1390,  
1392) November 1950.
- G-7585 Mahal, Gurbax Singh and Robert H. Burns  
WEATHERING OF WOOL. (Natl. Wool Grower 41(4):12-13,31-32) April  
1951.
- G-7685 Bogaty, Herman, Kenneth S. Campbell and William D. Appel  
THE OXIDATION OF CELLULOSE BY OZONE IN SMALL CONCENTRATIONS.  
(Textile Research J. 22:81-83) February 1952.
- G-7733(36) Barnes, W.R., and others  
IMPROVED DESIGN OF TENTS AND TENTAGE MATERIALS. (Louisville.  
University. Institute of industrial research) (U.S. Quarter-  
master corps. Contract DA44-109-qm-288, for the period Oct. 1,  
1950 to Sept. 30, 1951) 159 p. September 1951.
- G-7738(37) Gernard, E.K., John E. Heer, jr., and Wm. M. Burks, jr.  
. . . IMPROVED DESIGN OF TENTS AND TENTAGE MATERIALS, . . . .  
(Louisville. University. Institute of industrial research)  
(Thirty-seventh progress report; U.S. Quartermaster corps.  
Contract no. DA44-109-qm-288, fourth quarter, 1951) 17 p.
- G-7877 Tweedie, Audrey S.  
COMMON CAUSES OF FABRIC DAMAGE. (NRC, Canada, publication 2653)  
2 p. (n.d.)
- G-7886 Salvin, V.S., W.D. Paist and W.J. Myles  
ADVANCES IN THEORETICAL AND PRACTICAL STUDIES OF GAS FADING.  
(Am. Dyestuff Repr. 41:P297-P302) 6 p. May 1952.

- G-8041 EFFECT OF MOISTURE AND OZONE ON COTTON TEXTILES. (In Natl. Bur. Standards (U.S.) Tech. News Bull. 36:92-93) June 1952.
- G-8174 MEET THE NEWEST SYNTHETIC FIBER: X-51. (Textile World 102(3): 123-126) March 1952.
- G-8630 Leatherland, Larry C.  
BETTER FABRICS FOR THE FUTURE. (In Battelle Tech. Rev. 2(2):14-18) February 1953.
- G-9611 Marsh, Paul B., George V. Merola and Marion E. Simpson  
EXPERIMENTS WITH AN ALKALI SWELLING-CENTRIFUGE TEST APPLIED TO COTTON FIBER. (In Textile Research J. 23:831-841) November 1953.
- G-9750 Macmillan, W.G., S.N. Basu and P.N. Pal  
DETERIORATION OF CUPRAMMONIUM-PROOFED JUTE FABRIC. (J. Sci. Ind. Research (India) 12B:558-562) November 1953.
- G-9762 Tolani, L.V., H.V.K. Udapa and P.C. Mehta  
EFFECT OF LAUNDERING, PERSPIRATION AND LIGHT ON FABRICS. (J. Sci. Ind. Research (India) 12:631-639) December 1953.
- G-9842(3) Hall, Archibald John  
TEXTILE FIBRE PROPERTIES. 3. PROTECTING WOOL AGAINST DEGRADATION. (Textile Mercury and Argus 129:470-472) September 1953.
- G-9858 Zook, Margaret O., and Pauline Berry Mack  
A PRELIMINARY STUDY OF THE ABRASION RESISTANCE OF FABRICS WHEN TEST UNITS OF ABRASION ARE COMBINED WITH TEST UNITS OF LAUNDERING, DRYCLEANING AND LIGHT. (In Am. Dyestuff Repr. 43:61-66) February 1954.
- G-10091 Lundgren, Harold P.  
SOME CHEMICAL EXPERIMENTS ON WOOLS. (Textile Research J. 24:342-344) April 1954.
- G-10413 Friedman, H. Martin  
A RAPID TEST FOR GAS-FADING RESISTANCE OF DYED CELLULOSE ACETATE FABRICS. (In Am. Dyestuff Repr. 43:597-598) August 1954.
- G-10522 Schreiber, Walter T., Austin L. Bullock and Wendell L. Ward  
RESISTANCE OF PARTIALLY ACETYLATED COTTON FABRIC TO NITROGEN DIOXIDE AND TO HYDROGEN CHLORIDE. (Textile Research J. 24: 819-822) September 1954.
- G-11326 Fisher, C.H.  
RESEARCH TO TRANSFORM COTTON THROUGH CHEMISTRY INTO NEW TEXTILE PRODUCTS. (Reprint of a paper appearing in the book of papers, p. 67-71, given at the Fourth Canadian Textile Seminar, Sept. 9 - 11, 1954, at Queens University, Kingston, Ontario) 5 p. 1954.

- G-11346 Salvin, Victor S., and Ruth A. Walker  
SERVICE FADING OF DISPERSE DYESTUFFS BY CHEMICAL AGENTS OTHER  
THEN THE OXIDES OF NITROGEN. (In Textile Research J. 25:571-585,  
July 1955.
- G-12101 Reinhardt, Robert M., J. David Reid and George C. Daul  
THE PROPERTIES OF COTTON REACTED WITH BETAPROPIOLACTONE. (In  
Textile Research J. 26:1-9) January 1956.
- P-1176 Williams, Francis J., and Edgar H. Herrmann  
ANTICORROSIVE PAINT. (Francis J. Williams, Port Washington, and  
Edgar H. Herrmann, Brooklyn, N.Y., assignors to National lead  
company, New York, N.Y., a corporation of New Jersey. U.S.  
Pat. 2,479,988; August 23, 1949.) 3 p.
- P-3888 Ward, George C., Firmin J. Porter and George W. Seymour  
DRY CLEANING OF CELLULOSE ACETATE FABRICS WITH A FADING INHIBITOR  
IN THE SOLVENT. (George C. Ward, Cumberland, and Firmin J.  
Porter, Frostburg, Md., and George W. Seymour, Maplewood, N.J.,  
assignors to Celanese corporation of America, New York, N.Y.,  
a corporation of Delaware. U.S. Pat. 2,741,533; April 10,  
1956) 2 p.
- P-4054 Olpin, Henry Charles, Edmund Stanley and Anne Elizabeth McCarthy  
INHIBITION OF GAS FADING WITH AN ALKALI METAL SALT OF PHTHALIC  
ACID. (Henry Charles Olpin, Edmund Stanley, and Anne Elizabeth  
McCarthy, Spondon, near Derby, England, assignors to British  
Celanese Limited, a corporation of Great Britain. U.S. Pat.  
2,758,002; August 7, 1956.) 2 p.
- X-522 Eurdick, L.R., and J.F. Barkley  
EFFECT OF SULFUR COMPOUNDS IN THE AIR ON VARIOUS MATERIALS. (U.S.  
Bureau of mines. Information circular 7064) 9 p. April 1939.
- X-730 Dorée, Charles  
THE ACTION OF SEA WATER ON COTTON AND OTHER TEXTILE FIBRES. (In  
Biochem. J. 14:709-714) December 1920.
- PDL-30139 Stertz, Joseph M.  
RADIATION RESISTANT FABRIC. (Joseph M. Stertz, Garden City, N.Y.  
U.S. Pat. 2,788,291; April 9, 1957) 2 p.
- PDL-30391 Templeton, J. Glean  
A STUDY OF THE EFFECTS OF CHEMICALS ON THE PROPERTIES OF PARACHUTE  
FABRICS. (North Carolina. University. State college of agri-  
culture and engineering, Textile school) (U.S. Wright air  
development center. Technical report 55-340; . . . (ASTIA Document)  
AD 97243) 198 p. September 1956.



- PDL-30865 Weatherburn, A.S., and C.H. Bayley  
 THE SOILING CHARACTERISTICS OF TEXTILE FIBERS. PART II THE  
 INFLUENCE OF FIBER GEOMETRY ON SOIL RETENTION. (In Textile  
 Research J. 27:199-208) March 1957.
- PDL-30866 Weatherburn, A.S., and C.H. Bayley  
 THE SOILING CHARACTERISTICS OF TEXTILE FIBERS. PART III. THE  
 EFFECT OF TWIST ON SOIL RETENTION. (In Textile Research J.  
 27:358-361) May 1957.
- PDL-30955 Machell, G., G.N. Richards and H.H. Sephton  
 THE ALKALINE DEGRADATION OF CELLULOSE. (In Chemistry & Industry  
 no. 15:467-469) April 1957.
- PDL-31671 Bell, W.A., and Jean M. Gibson  
 DEGRADATION OF CELLULOSIC FIBRES IN CONTACT WITH RUSTING IRON.  
 (In Nature 180:1065) November 1957.
- PDL-31877 Foltz, Thomas R.  
 WHY WET FELTS DETERIORATE. (In Southern Pulp Paper Mfr. 20(8):  
 98,100,109,114.) August 1957.
- PDL-32230 Bryson, Ralph J., W. Norbert Berard, John V. Bailey and  
 A. Mason Du Pre, jr.  
 NEW HORIZONS FOR CANVAS AWNINGS. (In Canvas Prod. Rev. 32(12):  
 36-37,40-42) May 1957.
- PDL-32248 Rawlins, F.I.G.  
 THE CARE OF WORKS OF ART (In Research (London) 11:2-6) January  
 1958.
- PDL-32253 Goldthwait, Charles F., and Helen M. Robinson  
 IMPROVED LIGHT AND WEATHER RESISTANCE OF COTTON RESULTING FROM  
 MERCERIZATION. (In Textile Research J. 28:120-126) February  
 1958.
- PDL-32625 Staples, M.L.  
 THE DETERMINATION OF COLOUR FASTNESS TO LIGHT. (In Can. Textile  
 J. 74(13):81-85) June 1957.
- PDL-32990 Badische Anilin- & Soda-Fabrik Aktiengesellschaft, Ludwigsafen,  
 Germany  
 IMPROVEMENTS IN THE PRESERVATION OF THREADS AND PRODUCTS THEREFROM.  
 (Gt. Brit. Pat. Specification 789,998; January 29, 1958) 2 p.
- PDL-33121 American association of textile chemists and colorists. Committee  
 on Lightfastness. Sub-committee on relation of atmospheric con-  
 taminants to lightfastness  
 EFFECT OF ATMOSPHERIC CONTAMINANTS ON LIGHTFASTNESS TESTING. (In  
 Am. Dyestuff Repr. 47:P450-P451) June 1958.

- PDL-33298 Kuramoto, Roy and Leon Lachman  
A STUDY OF THE EFFECT OF CERTAIN PHARMACEUTICAL MATERIALS ON  
COLOR STABILITY. (In Am. Pharm. Assoc., J., Sci. Ed. 47:  
175-180) March 1958.
- PDL-33492 Moder, Joseph J., and Charles W. Stuckey  
EVALUATION OF FUNGICIDAL TREATMENTS FOR COTTON FABRICS. (Georgia  
Institute of Technology. Engineering experiment station) (U.S.  
Wright air development center. Technical report 57-711; . . .  
(ASTIA Document) AD 151127) 110 p. April 1958.
- PDL-33584 Reinsmith, Gerald  
NUCLEAR RADIATION EFFECTS ON MATERIALS. Review of basic principles  
and summary of current knowledge. (In ASTM Bull. no. 232:37-47)  
September 1958.
- PDL-34151 Young, F.S., and W.R. Hindson  
THE IDENTIFICATION OF DAMAGE TO LIGNIFIED FIBRES. A NEW MICRO-  
SCOPICAL TEST USING IODINE AND SULPHURIC ACID. (In Textile  
Inst., J. 49:T554-T560) November 1958.
- PDL-34187 Cambi, Franco  
DANNI NON BICLOGICI PROVOCATI DAGLI INQUINAMENTI ATMOSFERICI. (In  
Minerva Med. 49:965-967) 1958. (Tr. title: Non-biological  
damage caused by atmospheric pollution)
- PDL-34326 Brown, J.C.  
THE DETERMINATION OF DAMAGE TO WOOL FIBRES. (In Soc. Dyers Colourists,  
J. 75:11-21) January 1959.
- PDL-34421 Kornreich, E.  
EIN BEITRAG ZUR UNTERSUCHUNG TEXTILER SCHÄDEN. (In Textil-Rundschau  
13:458-464) August 1958. (Tr. title: A contribution to the  
investigation of textile damages)
- PDL-34617 Rees, W.H.  
ATMOSPHERIC POLLUTION AND THE SOILING OF TEXTILE MATERIALS. (In  
Brit. J. Applied Phys. 9:301-305) August 1958.
- PDL-34772 Chatterjee, H., and A.K. Mazumdar  
A NOTE ON THE DEGRADATION OF JUTE CELLULOSE ON STORAGE. (In  
Textile Research J. 29:282-283) March 1959.
- PDL-34862 Yocum, John E.  
THE DETERIORATION OF MATERIALS IN POLLUTED ATMOSPHERES. (In Air  
Pollution Control Assoc., J. 8:205-208) November 1958.
- PDL-35229 McLendon, Verda I.  
REMOVING STAINS FROM FABRICS, HOME METHODS. (U.S. Dept. of agri-  
culture. Home and garden bulletin no. 62) "Supersedes Farmers'  
bulletin no. 1474." 30 p. June 1959.

- PDL-35411 Riley, Malcolm W.  
ENGINEER'S GUIDE TO INDUSTRIAL TEXTILES. (In Materials in Design  
Eng. 50(1):115-130) July 1959.
- PDL-35650 Hanchette, J.L., and R.H. Beaumont  
DETERMINATION OF THE TYPE OF DAMAGE IN PAPERMAKER'S FELTS. (In  
Tappi 42:59-61) January 1959.
- PDL-35733 Yocom, John E.  
DETERIORATION OF MATERIALS IN POLLUTED ATMOSPHERES. (In Corrosion  
15(10):51-55) October 1959.
- PDL-35797 Himmelreich, Werner  
NACHWEIS VON FASERSCHÄDIGUNGEN AN POLYAMIDGEWEBEN DURCH VISKOSI-  
METRISCHE BESTIMMUNG DES DURCHSCHNITTSPOLYMERISATIONSGRADES.  
(In Deut. Textiltech. 9:153-155) March 1959. (Tr. title:  
Determining the fiber damage of polyamide fabrics by viscometric  
determination of the average degree of polymerization)
- PDL-35798 Himmelreich, Werner  
NACHWEIS VON FASERSCHÄDIGUNGEN AN POLYAMIDGEWEBEN DURCH VISKOSI-  
METRISCHE BESTIMMUNG DES DURCHSCHNITTSPOLYMERISATIONSGRADES.  
(In Deut. Textiltech. 9:213-218) April 1959. (Tr. title:  
Determining the fiber damage of polyamide fabrics by viscometric  
determination of the average degree of polymerization)
- PDL-35799 Himmelreich, Werner  
NACHWEIS VON FASERSCHÄDIGUNGEN AN POLYAMIDGEWEBEN DURCH VISKOSI-  
METRISCHE BESTIMMUNG DES DURCHSCHNITTSPOLYMERISATIONSGRADES.  
(In Deut. Textiltech. 9:96-99) February 1959. (Tr. title:  
Determining the fiber damage of polyamide fabrics by viscometric  
determination of the average degree of polymerization)
- PDL-35802 Schurz, Josef and Edgar Kienzi  
ZUM WIRKUNGSMECHANISMUS DES  $TiO_2$  ALS KATALYSATOR FÜR DIE LICHTSCHÄD-  
IGUNG VON CELLULOSE. (In Faserforsch. u. Textiltech. 9:513-519)  
December 1958. Includes English summary. (Tr. title: The re-  
action mechanism of  $TiO_2$  as catalyst for the light damage of  
cellulose)
- PDL-36053 Mallis, Arnold, A.C. Miller and R.C. Hill  
THE ATTRACTION OF STAINS TO THREE SPECIES OF FABRIC PESTS. (In  
J. Econ. Entomol. 52:382-384) June 1959.
- PDL-36113 BEITRÄGE ZUM TOPO-CHEMISCHEN NACHWEIS VON WOLLSCHÄDIGUNGEN (PAULY-  
REAKTION). (In Melliand Textilber. 40:676-677) June 1959.  
(Tr. title: Chemical identification of the location of wool  
damage (Pauly reaction))
- PDL-36278 Morris, Mary Ann and Barbara Milsey  
THE EFFECT OF SOIL ON THE PHOTOCHEMICAL DEGRADATION OF COTTON.  
(In Textile Research J. 29:971-974) December 1959.

- PDL-36651 Bush, G.F.  
NEW ARTIFICIAL WEATHERING METHODS: RUBBER, PLASTICS AND TEXTILES.  
(In Am. Dyestuff Repr. 49:33-39) February 1960.
- PDL-36716 Schulz, Günter Viktor and Friedrich Mertes  
ÜBER DEN OXYDATIVEN ABBAU VON ALKALICELLULOSE DURCH LUFTSAUERSTOFF.  
(In Papier, Das 13:469-475) October 1959. Includes English  
Summary. (Tr. title: The oxidative degradation of alkali cel-  
lulose by the oxygen of air)
- PDL-37419 Howitt, F.O.  
CHEMICAL ATTACK OF TEXTILE FIBRES. PART II. PROTEIN FIBRES: (C)  
REGENERATED PROTEINS. (In Textile Inst., J. 51:P321-P325)  
July 1960.
- PDL-38012 Johnstone, H.F., and A.J. Moll  
FORMATION OF SULFURIC ACID IN FOGS. (In Ind. Eng. Chem. 52:861-  
863) October 1960.
- PDL-38235 Salzenstein, M.A.  
HOW DUST PARTICLES ARE IDENTIFIED. (In Air Eng. 2(1):31-34)  
January 1960;
- PDL-39459 Howitt, F.O.  
THE PROPERTIES OF TEXTILE MATERIALS (XII). CHEMICAL ATTACK OF  
TEXTILE FIBRES. PART III. SYNTHETIC FIBRES. (In Textile  
Inst., J. 52:P14-P27) January 1961.
- PDL-39843 Taft (Robert A.) sanitary engineering center, Cincinnati  
PUBLICATIONS OF THE ROBERT A. TAFT SANITARY ENGINEERING CENTER.  
SECTION I. AIR POLLUTION. (Technical report A61-1) 28 p.  
January 1961.
- PDL-40308 Morris, Mary Ann and Barbara W. Mitchell  
THE EFFECT OF AN AIRBORNE SOIL ON THE PHOTOCHEMICAL DEGRADATION  
OF NYLON. (In Textile Research J. 31:488) May 1961.
- PDL-40598 Caplan, H., and J.C. Dickinson  
DAMAGE TO WOOL BLANKETS BY REPEATED DISINFECTION BY FORMALDEHYDE  
VAPOUR IN VACUO AT MODERATELY RAISED TEMPERATURES. (In  
Textile Inst., J. 52:T248-T250) May 1961.
- PDL-40607 NEW TENTAGE MATERIAL DEVELOPED. (In Can. Textile J. 77(15):43-  
44) September 1960.
- PDL-40815 AIR POLLUTION: A SPECIAL REPORT. (In Power 104(12):67-114)  
December 1960.
- PDL-41220 Plenderleith, H.J., and P. Philippot  
CLIMATOLOGIE ET CONSERVATION DANS LES MUSÉES. (Centre international  
detudes pour la conservation et la restauration des biens cult-  
urels, Rome. Travaux et publications III) 88 p. 1960. (Tr.  
title: Climatology and conservation in museums)

- PDL-41504 McGraw-Hill book company, New York, N.Y. (Mileaf, Harry)  
HANDBOOK OF FIBROUS MATERIALS. (U.S. Wright air development  
division. Technical report 60-584; . . . (ASTIA Document)  
AD 249782) 474 p. October 1960.
- PDL-41639 Rochas, P., and S. Pierret  
SUR LA DETERMINATION DE LA PERTE A LA SOUDE DE LA SOIE SELON LA  
METHODE OKU ET SHIMIZU. (In Inst. Textile France, Bull. no. 92:  
101-106) January/February 1961. Includes English summary.  
(Tr. title: Determination of alkali solubility of silk ac-  
cording to the method of Oku and Shimizu)
- PDL-41786 Harris research laboratories, inc., Washington, D.C.  
ACCELERATED DETERIORATION OF TEXTILES. (. . . (ASTIA Document)  
AD 257960) 6 p. June 1961. By Charles A. Rader and Anthony M.  
Schwartz.
- PDL-41881 American society of mechanical engineers, New York, N.Y.  
GUIDE TO RESEARCH IN AIR POLLUTION, FOURTH EDITION, 1961.  
70 p.
- PDL-42420 Merrill, Malcolm H., and August T. Rossano, jr.  
ATMOSPHERIC POLLUTION. (Presented before the Interdisciplinary  
conference on atmospheric pollution at Santa Barbara, Calif.,  
June 1959)
- PDL-42621 Baker, Walter S., and Ernest R. Kaswell  
HANDBOOK OF FIBROUS MATERIALS. (U.S. Wright Air Development  
Division. Technical report 60-584) 195 p. October 1961.
- PDL-43142 Rizzo, F.J.  
WEATHERING OF TEXTILES. A METHOD OF CALIBRATING RADIANT SOURCES.  
(In Am. Dyestuff Repr. 51:P124-P131) February 1962.
- PDL-44165 Ripperton, Lyman A.  
LIGHT AND DARK PHASE OXIDANT PRODUCTION IN A NON-URBAN ATMOSPHERE.  
(In Air Pollution Control Assoc., J. 11:425-427) September  
1961.