

Wisconsin Alumni Research Foundation
U.S. Patents Issued
1951 thru 1960

<u>Year Patents Issued</u>	<u>No. Issued Each Year</u>
1951	5
1952	5
1953	14
1954	4
1955	5
1956	4
1957	11 (including 1 Design Patent)
1958	6
1959	11
1960	<u>7</u>
Total	72

Wisconsin Alumni Research Foundation
 U.S. Patents Issued
 1951 thru 1960

<u>INVENTOR AND TITLE</u>	<u>PATENT</u>	
	<u>YEAR ISSUED</u>	<u>YEAR EXPIRES</u>
Daniels - Thermal Fixation of Atmospheric Nitrogen	1951	1968
Daniels-Hendrickson-Foster - Nitric Oxide Recovery System	1951	1968
Williams-Deutsch - Processes of Preparing Antibody-Rich Globulin Fractions	1951	1968
Wilds - Process of Preparing Derivatives of 3-Keto 4-Eticholenic Acid	1951	1968
Boyd-Hirschfelder - Methods of Assaying Solid Catalysts	1951	1968
Campbell-Stahmann-Link-Huebner - Dicumarol	1952	1969
Link - Prophylactic Composition of Scours	1952	1969
Daniels - Thermoluminescence	1952	1969
Hendrickson - Nitrogen Fixation Furnace	1952	1969
Holt-Seim - Electrodeposition of Alloys of Molybdenum with Cobalt, Nickel & Iron	1952	1969
Eggert - Process of Preparing Antigen-Rich Bacterial Toxins & Toxoids	1953	1970
Gaithe - Soaplike Compositions & Process of Making Same	1953	1970
Wilds - Steroid-like Compounds & Process of Preparing Same	1953	1970
Wurster - Method of Applying Coatings to Edible Tablets or the Like	1953	1970
Gold - Apparatus for Plugging Test Tubes and the Like	1953	1970

<u>INVENTOR AND TITLE</u>	<u>PATENT</u>	
	<u>YEAR ISSUED</u>	<u>YEAR EXPIRES</u>
Heine - Manufacture of Malleabilized White Cast Iron	1953	1970
Keitt-Leben-Strong - Antimycin & & Process for Production	1953	1970
Daniels - Process for the Production of Nitrogen Oxides	1953	1970
Johnson-Turner - Process for Preparing 1,2,3,4-Tetra-Hydrophenanthrenes	1953	1970
Johnson-Bannerjee - 1-Keto 8RO-1,2,3,4, 4a,5,6,10b,11,12,12a, Dodecahydro- chrysenes	1953	1970
Skoog - Method for Induction of Bud Formation in Plant Tissues	1953	1970
Seidman-Link - Chemical Compounds & Processes of Preparing the Same	1953	1970
Seidman-Link - Haloalkoxy Derivatives of the Cyclic Ketals of Warfarin	1953	1970
Johnson-Christiansen - Synthesis of Estrone	1953	1970
Knight - Cheese & Process of Preparing Same	1954	1971
Ralls-Wildman-McCaleb-Wilds - Bicyclic Ketones & Methods of Preparation Thereof	1954	1971
Seidman-Link - Chemical Compounds & Processes of Preparing the Same (Warfarin Derivatives)	1954	1971
Weckel-Welch - Maraschino Style Cranberries & Process of Preparing Same	1954	1971

<u>INVENTOR AND TITLE</u>	<u>PATENT</u>	
	<u>YEAR ISSUED</u>	<u>YEAR EXPIRES</u>
Goin-LeGros-Smithwick - Storage Battery Plate & Method	1955	1972
Green-Beinert - Process for Isolating & Purifying Coenzyme A	1955	1972
Johnson-Bannerjee - Preparation of 5-Beta-(M-Hydrocarboxy- Phenyl)-Ethyl-Oclalone-1	1955	1972
Seidman-Link - Chemical Compounds & Processes of Preparing the Same	1955	1972
Robertson-Link - Chemical Compounds & Processes of Preparing the Same "Tricoumarol Case"	1955	1972
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Treacy - Process & Resulting Compo- sitions	1956	1973
Fitzgerald - Apparatus for Determining Dynamic Mechanical Properties of Viscoelastic Materials	1956	1973
Wahlin - Electrolytic Hydrogenation Process	1956	1973
Schroeder-Link - Process of Making Crystalline Warfarin Sodium	1956	1973
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Link - Warfarin Sodium - Rodenticidal Composition	1957	1974
Johnson-Bannister-Rogier - Steroid & Intermediate Compounds	1957	1974
Robertson-Robertson-Link - 3-(Hydroxy Lower Alkyl) Aminomethyl-4- Hydroxycoumarin Compounds	1957	1974
Link - Warfarin Sodium - Human	1957	1974
Stahmann-Allen-Casida-Chapman - Pesticide Compositions & Processes of Preparing Same	1957	1974
Eisenhauer-Link - Esters of 4-Hydroxy- coumarin	1957	1974
Knight - Roquefort-Type Cheese & Pro- cesses of Preparing the Same	1957	1974

<u>INVENTOR AND TITLE</u>	<u>PATENT</u>	
	<u>YEAR ISSUED</u>	<u>YEAR EXPIRES</u>
Robertson-Robertson-Link - 3-Substituted-Aminomethyl- 4-Hydroxy-6-Substituted Coumarins	1957	1974
Wurster - Means for Applying Coatings to Tablets or the Like	1957	1974
Skoog-Rosen - Streptomycin Composition & Combating Plant Pathogens Therewith	1957	1974
Duffee-Dunham - Solar Cooker (Design Patent, Term - 14 years)	1957	1971
Price-Irvine - Cheese Process & Resulting Product	1958	1975
Ralls-Wildman-McCaleb-Wilds - Decahydrophenanthrene Diones; Their Preparation & Intermediates	1958	1975
Johnson-Ireland - Improvement Synthesis of Estrone Intermediates	1958	1975
Herb - Evapor-ion Pump	1958	1975
Weckel - Cranberries & Process of Preparing Same	1958	1975
Johnson-Kemp-Pappo - Steroid Intermediates	1958	1975
Winder-Swanson - Method of Ripening Cheese	1959	1976
Johnson - Processes & Resulting Products (Non-Aromatic Steroid Synthesis)	1959	1976
Herb - Evapor-ion Pump	1959	1976
Skoog-Strong-Miller - Kinetin	1959	1976
Potter - Acoustical Device	1959	1976
Herb - Vacuum Pump	1959	1976
Schroeder-Link - Process for the Preparation of 4-Hydroxycoumarin Derivatives	1959	1976

On August 25, 1961, Mr. Ross asked me how many WARF U.S. Patents had issued beginning with the year 1951 through 1960. I gave him the figure of 72. This information was passed along to Mr. Peterson, Vice President, Business and Finance, University of Wisconsin, by Mr. Ross. For future reference, the attached summary substantiates the number which I gave to Mr. Ross; i.e., 72 WARF U.S. Patents issued for the period 1951 through 1960.

Ruth Wilson
August 25, 1961

<u>INVENTOR AND TITLE</u>	<u>PATENT</u>	
	<u>YEAR ISSUED</u>	<u>YEAR EXPIRES</u>
Winder-Kielsmeier - Dried Whole Milk	1959	1976
Asplin - Grinder	1959	1976
Casida-Arthur - Process - Butonate	1959	1976
<u>Herb - One and Two Inch Pumps</u>	<u>1959</u>	<u>1976</u>
Segard - Treatment of Ketosis	1960	1977
Wilde-Davey - Sawdust Composts Methods of Preparing Same	1960	1977
McCoy-Peterson - Oligomycin	1960	1977
Casida-Arthur - Insecticide - Acetyl Dipterex	1960	1977
Casida-Arthur - Insecticide - Butyryl Dipterex	1960	1977
Javid-Settlage-Busse - Urea-Sugar Composition	1960	1977
Yunker-Higuchi - Stabilization of Esters of Nitrous Acid	1960	1977

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No. Pat Apps. filed

June 1, 1958 - Dec 31, 1958	-	9
Jan. 1959 - Dec. 1959	-	17
Jan. 1960 - Dec. 1960	-	29
Jan. 1961 - Dec. 1961	-	14
Jan. 1962 - Dec. 1962	-	14
Jan 1, 1963 to June 1, 1963	-	2
<u>Total</u>		<u>85</u>

No. Patents issued

June 1, 1958 to June 1, 1963 - 28 (Including 1 assigned to U.S.A. & 1 public patent)

No. Pat Apps. abandoned

June 1, 1958 to June 1, 1963 17

No. Pat. Apps. pending

40 (Including 1 pat. app. to be public patent)

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PATENTS AND PATENT APPLICATIONS ON INVENTIONS
DISCLOSED BY UNIVERSITY OF WISCONSIN PERSONNEL
JUNE 1, 1958 TO JUNE 1, 1963

No. Patent Applications Filed . . .	85	
No. Patents Issued	28	(Including 1 assigned to U.S.A. and 1 public patent)
No. Patent Applications Abandoned	17	
No. Patent Applications Pending	40	(Including 1 to become a public patent)