

TIME LINE

*A Chronology of Significant Events
Relating to the History of
Union Carbide Corporation*

*Compiled by
George H. Daniels
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Union Carbide Corporation Time Line

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UNION CARBIDE CORPORATION TIME LINE

PREFACE

The items in the accompanying lists show significant events by year relating to the history of Union Carbide Corporation. These items were compiled from:

- Documents that were supplied by active and retired Carbiders in response to requests for historic information.
- Individual reports that were prepared as segments of the project to record the history of Union Carbide Corporation.
- Published literature (including Annual Reports)

The lists are shown in 3 formats. The first is a straight chronological listing with four columns that show:

1. The date (year).
2. The event.
3. A 2 or 3 digit symbol identifying the archive section (product group source of the information). This symbol also serves as the prefix for the library code used for cataloguing the archive material.
4. A single letter - F = facility , P = product , M = miscellaneous

A table, page ii, provides a key to the symbols discussed in item 3 above as well as indicating a key collector and editor of that section.

George H. Daniels
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CARBIDE HISTORY PROJECT
SECTIONS, CODES AND RESPONSIBILITIES

<u>SECTION</u>	<u>LIBRARY CODE PREFIX</u>	<u>RESPONSIBILITY</u>
Agricultural Products	AG	E. R. Marshall
Coal Hydrogenation Program	CH	J. J. Potter
Emulsion Polymers	EP	E. L. Peterson
General	GE	R. D. Stief / G. H. Daniels
Health, Safety & Environmental	HS	F. D. Bess
High-pressure Polyethylene	HP	C. H. Madge
Low-pressure Polyethylene	LP	J. J. Smith \ J. M. Davison
Mellon Institute	MI	S. M. Livengood
Nuclear Program	NU	D. B. Trauger
Olefins - to 1950	OL1	R. C. Hieronymus
Olefins - after 1950	OL2	W. M. Hoffman
Oxide-glycol & Derivatives	OX	H. N. Baylor / J.H.Wilson
Phenolics	PH	F. Cozzarelli
Rocket Program	RP	F. Sheets
Silicones	SI	R. S. Wishart
Solvents & Intermediates	SO	A. Walker
Specialty Polymers & Products	SP	J. N. Saunby
Rubber Program	SR	F. M. Branner
Vinyls & Plasticizers	VP	M. Sutherland

GENESIS (-4000 to 1920)

-4000	ETHANOL PRODUCED BY FERMENTATION	SO	P
1650	ETHYLENE CREATED FROM ETHANOL	OL1	M
1795	ETHYLENE "DISCOVERED" BY FOUR DUTCH CHEMISTS	OL1	M
1795	WORD "OLEFINS" INTRODUCED AT PARIS INSTITUTE BY DEFOUCRY	OL1	M
1795	REACTION OF ETHYLENE AND CHLORINE ANNOUNCED	SO	M
1795	ETHYLENE DICHLORIDE MADE IN HOLLAND	SO	P
1828	ETHANOL PRODUCED FROM ETHYLENE VIA ETHYL HYDROGEN SULFATE PLUS HYDRATION	SO	P
1828	WOEHLER SYNTHESIZES UREA	GE	M
1836	EDMUND DAVY PRODUCED ACETYLENE	GE	M
1840	JAMES TURNER MOREHEAD BORN	GE	M
1855	ISOPROPANOL FROM PROPYLENE VIA PROPYL HYDROGEN SULFATE PLUS HYDRATION	SO	P
1858	AUGUST KEKULE DESCRIBED THE STRUCTURAL THEORY OF ORGANIC CHEMICALS.	GE	M
1859	LOURENCO PREPARED POLYETHYLENE GLYCOL	OX	M
1860	THOMAS L. WILLSON BORN	GE	M
1860	ETHYLENE HYDRATED IN CONC. SULFURIC ACID (1 LITER EXHIBITED)	OL1	P
1862	WOEHLER PREPARED AND IDENTIFIED CALCIUM CARBIDE AND ACETYLENE	GE	M
1862	ETHANOL PLANT (H ₂ SO ₄) USING 20% C ₂ H ₄ FROM COAL CARBONIZATION FAILED	SO	P
1863	ADOLPH BAEYER PREPARED ACETYLENE (NOBEL PRIZE IN 1905).	GE	M
1866	AUGUST KEKULE SYNTHESIZED ACETYLENE.	GE	M
1870	JOHN MOTLEY MOREHEAD BORN	GE	M
1873	CARL VON LINDE FOUND PROCESS FOR OXYGEN BY LIQUIFACTION & RECTIFICATION OF AIR	GE	M
1886	NATIONAL CARBON COMPANY FOUNDED	GE	M
1890	T. L. WILLSON PATENT MELTING OR REDUCING METALS BY ELECTRICITY ~430453	GE	M
1891	J.T. MOREHEAD ET AL BUILD SPRAY ALUMINUM PLANT	GE	F
1892	CACIUM CARBIDE PRODUCED AT SPRAY NC (WILLSON & MOREHEAD)	GE	P
1892	T. L. WILLSON PROCESS OF ELECTRICALLY RREDUCING REFRACTORY COMOUNDS~486575	GE	M
1892	PATENT APPLICATION PROCESS FOR CRYSTALLINE CALCIUM CARBIDE (WILLSON)	GE	M
1894	FIRST TON OF CALCIUM CARBIDE SOLD FROM FIRST COMMERCIAL PLANT	GE	M
1894	T. L. WILLSON FILED FOR PATENT FOR USE OF ACETYLENE AS AN ILLUMINATING GAS	GE	M
1894	T. L. WILLSON APPLIED FOR PATENT FOR PRODUCTION OF ACETYLENE DERIVATIVES	GE	M
1894	ELECTRIC GAS CO. FORMED BY CHICAGO CAPITALISTS	GE	M
1895	PATENT ISSUED FOR MANUFACTURE NEW PRODUCT (T. L. WILLSON) NO. 541,138	GE	M
1895	T. L. WILLSON PROCESS OF & APPARATUS FOR MAKING GAS ~548320	GE	M
1895	ACETYLENE SEEN AS PRECURSOR TO MANY ORGANIC CHEMICALS	GE	P
1895	HENRI LE CHATALIER DETERMINED THAT ACEYLENE AND OXYGEN GAVE VERY HOT FLAME	GE	M
1895	CARL VON LINDE COMMERCIALIZED AIR LIQUIFACTION.	GE	M
1896	T. L. WILLSON PATENTS PROCESS OF PRODUCING ILLUMINATING GAS ~553550	GE	M
1896	T. L. WILLSON PATENTS PROCESS OF PRODUCING CALCIUM COMPOUNDS ~563527	GE	M
1896	T. L. WILLSON PATENTS PROCESS OF MANUFACTURING HYDROCARBON GAS ~563528	OL1	M
1896	PATENT APPLIC. CALCIUM CARBIDE MANUF. (J.T.MOREHEAD) 1897-583,498	GE	P
1897	T. L. WILLSON - PROCESS OF PRODUCING & CONSUMING HYDROCARBON GAS ~577803	GE	M
1897	T. L. WILLSON PATENTS PROCESS OF ELECTRIC SMELTING ~575788	GE	M
1897	MOREHEAD BUILT HYDROELECTRIC SMELTER AT FALLS AT GLEN FERRIS WV	GE	M
1898	PERSONNEL FROM "PEOPLES GAS" & NY CAPITALISTS FORM UNION CARBIDE CO.	GE	M
1899	PATENT APPLIC. ELECTRIC FURNACE MANUF. CALCIUM CARBIDE 1900-664333-4	GE	P
1900	C ₂ H ₄ TO ETHYL ETHER PLT. STARTED - FAILED 1907 WHEN ETHANOL TAX REMOVED*	SO	P
1904	CONCENTRATED ACETYLENE COMPANY FOUNDED SEPTEMBER 6	GE	M
1906	UNION CARBIDE CO. FORMED	GE	M
1906	CONCENTRATED ACETYLENE COMPANY RENAMED PREST-O-LITE (WITH C. G. FOSTER)	GE	M
1906	TO SELL ACETYLENE FOR BICYCLE LIGHTS	GE	M
1906	ETHER PRODUCED FROM CRUDE (20%) ETHYLENE	GE	P
1906	UCC BUYS MAJOR MOREHEAD'S ELECTRIC FURNACE PLANTS & PATENTS	GE	P
1906	UNION CARBIDE CO. PURCHASED WILLSON ALUMINUM CO.	GE	M
1906	PREST-O-LITE BUYS CALCIUM CARBIDE FROM UNION CARBIDE CO.	GE	M
1907	UNION CARBIDE COMPANY PROCURES GLEN FERRIS PLANT	GE	F
1907	UNION CARBIDE AND NATIONAL CARBON FORMED LINDE CO.	GE	M
1907	LINDE AIR PRODUCTS CO. INCORPORATED JANUARY 24	GE	M
1907	1ST US COMMERCIAL PRODUCTION OF OXYGEN (LINDE)	GE	P

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EVENTS LISTED CHRONOLOGICALLY

1907	DR. ROBERT DUNCAN SET UP FELLOWSHIP FOR INDUSTRIAL RESEARCH		MI	M
1909	CALCIUM CARBIDE LIGHT 235 US TOWNS		GE	M
1909	PATENT GRANTED FOR PLASTIC FROM REACTION OF PHENOL & FORMALDEHYDE.		PH	P
1910	UCC BUYS FRENCH OXYGEN/ACETYLENE WELDING TECHNOLOGY		GE	M
1910	LINDE DEVELOPED ACETYLENE MINERS LAMP		GE	P
1910	ETHANOL BY H ₂ SO ₄ HYDRATION OF 20-30% ETHYLENE IN ENGLAND & FRANCE FAIL*		OL1	P
1910	GENERAL BAKELITE COMPANY FOUNDED BY LEO BAKELAND		GE	M
1912	OXWELD ACETYLENE CO. FORMED		GE	M
1913	MELLON INSTITUTE OF INDUSTRIAL RESEARCH ESTABLISHED		GE	M
1913	MELLONS PERSUADED DR. DUNCAN TO SETUP INDUSTRIAL RESEARCH IN PITTSBURGH		MI	M
1913	PREST-O-LITE FELLOWSHIP TO EXPLORE OTHER ROUTES TO C ₂ H ₂ SET UP AT MELLON		MI	M
1914	PREST-O-LITES "ILLUMINATION FELLOWSHIP" AT MELLON ESTABLISHED		GE	M
1914	DR. GEORGE CURME HIRED AT MELLON TO FIND OTHER SOURCES C ₂ H ₂		GE	M
1914	UCC (COMPANY) FELLOWSHIP TO FIND NEW USES FOR CA-C & C ₂ H ₂ SET UP AT MELLON		MI	M
1914	CURME et al DEVELOPED ACETYLENE TO ETHYLENE PROCESS		OL1	P
1915	CURME et al DEVELOPED COMMERCIAL PROCESSES FOR 10+ SYNTHETICS FROM C ₂ H ₄		GE	P
1915	CURME PATENT APPLIC. PROD. C ₂ H ₂ FROM ORGANIC LIQUID ~'19-1,315,540		GE	P
1915	UCC ESTABLISHES "ORGANIC SYNTHESIS FELLOWSHIP" TO FIND USES FOR C ₂ H ₂		GE	M
1915	LINDE FELLOWSHIP TO FIND USES FOR NITROGEN (BY FIXATION) SET UP AT MELLON		MI	M
1916	UCC BUYS PREST-O-LITE CO (CYLINDER ACETYLENE)		GE	F
1916	CURME PATENT APPLIC. PREP PURE ETHYLENE ~'19-1,135,541	OL1	P	
1916	CURME PATENT APPLIC. PREP ETHYLENE DICHLORIDE ~'19-1,135,542	SO	P	
1916	CURME PATENT APPLIC. PREP ACETALDEHYDE ~'19-1,135,543	SO	P	
1916	CURME PATENT APPLIC. PREP ACETONE FROM ACETIC ACID ~'19-1,135,544	SO	P	
1916	CURME PATENT APPLIC. PREP ETHYLENE DICHLORIDE FROM C ₂ H ₄ ~'19-1,135,545	SO	P	
1916	CURME PATENT APPLIC. PREP ACETIC ACID ~'19-1,135,546	SO	P	
1917	UNION CARBIDE AND CARBON CORP. INCORPORATED (UCC, PREST-O-LITE,		GE	M
1917	ELECTROMET, LINDE & NATIONAL CARBON WITH MELLON ASSOCIATIONS)		GE	M
1917	REQUESTED TO STUDY AT MELLON THE CHEMISTRY OF ETHYLENE TO MUSTARD GAS		OL1	M
1917	FOR A US WARFARE PROJECT		OL1	M
1917	DR. CURME SAID "STARTING WITH PLENTIFUL ETHYLENE & ACETYLENE - A HUGE		GE	M
1917	CHEMICAL INDUSTRY CAN BE BUILT—"		GE	M
1917	CURME PATENT APPLIC. PROCESS C ₂ H ₄ SEPARATION ~'22-1,422,184	OL1	P	
1917	WORLDS FIRST LPG PIPELINE FOR SUPPORT OF OLEFINS UNIT		OL1	F
1917	PROPYLENE HYDRATION (H ₂ SO ₄) PILOTED ELLIS LABS		SO	P
1918	OXWELD ACETYLENE CO. TAKEN INTO UC&CC		GE	M
1918	SMALL COMMERCIAL ETHYLENE PLANT BUILT AT BUFFALO		GE	F
1918	WAR ENDED - SWITCHED ETHYLENE STUDIES AT MELLON TO OTHER END USES		OL1	M
1918	CURME PATENT APPLIC. PROD. OF ETHYLENE ~'23-1,460,545	OL1	P	
1918	COMPRESSION OF ETHYLENE ESTABLISHED TO BE SAFE		OL1	P
1919	CORPORATE DECISION TO INVEST IN "ORGANIC CHEMICALS" MADE (SOLD BY		SO	M
1919	COMPTON & CURME ON GREAT EXPECTATIONS FOR DIETHYL SULFATE)		SO	M
1919	CURME PROPOSES REVIEW OF EUROPEAN ACTIVITY PERTAINING TO WORK OF MELLON OSF		MI	M
1919	ORGANIC SYNTHESIS FELLOWSHIP SET UP AT MELLON BY FLEDGLING UCC (CORP.)		MI	M
1919	CURME PATENT APPLIC. TREAT GASEOUS HYDROCARBON MIXTURES ~'22-1,422,182	OL1	P	
1919	LINDE DEVELOPING PROCESS TO PRODUCE ETHYLENE FROM GAS AT BUFFALO		OL1	P
1919	CURME PATENT APPLIC. PROCESS MAKE PROPYLENE DICHLORIDE ~'19-1,135,547	SO	P	
1919	CURME PATENT APPLIC. PROC. MAKING ISOPROPYL ALCOHOL ~'28-1,695,249	SO	P	

PETROCHEMICAL PIONEER (1920 to 1940)

1920	CARBIDE AND CARBON CHEMICAL CORP. FORMED	GE	M
1920	FIRST PURE ETHYLENE SHIPPED FROM LINDE'S BUFFALO PLANT (HYDROCARBON	OL1	P
1920	CRACKING & CRYOGENIC SEPARATION RUN ALTERNATELY)	OL1	P
1920	BUFFALO PILOT PLANT DESTROYED BY FIRE	GE	P
1920	CLENDENIN GASOLINE CO. & ADJACENT LAND PURCHASED	GE	F
1920	PLANT SITE STUDY MADE FOR C&CCC COMMERCIAL/ECONOMIC PLANT	GE	F
1920	CURME PATENT APPLIC. PROCESS TREAT GASEOUS MIXTURES ~22-1,422,183	OL1	P
1920	CURME PATENT APPLIC. PROC. OF MAKING OLEFINS ~25-1,524,355	OL1	P
1920	CURME PATENT APPLIC. PROC. MAKING GLYCOLS ~23-1,442,386	OX	P
1920	CURME PATENT APPLIC. PROC. CHLORINATING GASEOUS H.C. ~22-1,422,838	SO	P
1920	CURME PATENT APPLIC. PROC. OF ISOPROPYL CHLORIDE ~25-1,545,742	SO	P
1920	PROPYLENE HYDRATION (H ₂ SO ₄) PUT INTO PRODUCTION BY STANDARD OF NJ	SO	P
1920	PROPYLENE & ISOPROPANOL (15 GAL.) PRODUCED AT BUFFALO PLANT	SO	P
1920	ETHANOL PRODUCED FROM COAL GAS FRACTIONS (2-20% ETHYLENE)	SO	P
1920	RAFFERTY APPROVES 1 TON LOT ACETONE CONDENSATION PRODUCT AT MELLON	SO	P
1920	1ST OXIDATION OF BUTYRALDEHYDE AT SO. CHARLESTON	SO	P
1921	CLENDENIN PLANT STARTED UP	GE	F
1921	CURME PATENT APPLIC. PROC. OF PURIFYING CHLORINE ~23-1,472,294	GE	P
1921	CURME PATENT APPLIC. PROC. OF PREP BENZOIC ACID ~23-1,463,255	GE	P
1921	ETHYLENE GLYCOL PRODUCED AT CLENDENIN BY HYDROLIZING ETHYLENE CHLORHYDRIN	OX	P
1921	ACETONE & ISOPROPANOL PRODUCED AT CLENDENIN	SO	P
1922	ADVATAGE OF HIGH PRESSURE VS. LOW TEMPARATURE GAS SEPARATION	OL1	P
1922	ESTABLISHED VIA PARALLEL OPERATION AT CLENDENIN	OL1	P
1922	1ST 55 GAL. SALE OF PROPANE (PYROFAX)	OL1	P
1922	1ST UC&CC TANK CAR SHIPMENT (PYROFAX)	OL1	P
1922	CURME PATENT APPLIC. PROC. & APPARATUS GENERATING FUEL GAS ~27-1,638,434	GE	P
1922	EXHAUSTIVE ECONOMIC EVALUATION RE PROSPECTS CHEMICALS FROM H.C.	GE	P
1922	COMMERCIAL AVAILABILITY OF ETHYLENE GLYCOL ANNOUNCED	OX	P
1922	CURME PATENT APPLIC. PROC. MAKING CHLORHYDRINS ~23-1,456,916	OX	P
1922	COMMERCIAL PROCESS DEVELOPED AT CLENDENIN FOR DIETHYL SULFATE	SO	P
1922	COMMERCIAL PROCESS DEVELOPED AT CLENDENIN FOR ETHYLENE DICHLORIDE	SO	P
1922	COMMERCIAL PROCESS DEVELOPED AT CLENDENIN FOR ETHYLENE CHLORHYDRIN	SO	P
1922	COMMERCIAL PROCESS DEVELOPED AT CLENDENIN FOR ISOPROPANOL	SO	P
1922	COMMERCIAL PROCESS DEVELOPED AT CLENDENIN FOR PROPYLENE DICHLORIDE	SO	P
1922	COMMERCIAL PROCESS DEVELOPED AT CLENDENIN FOR PROPYLENE CHLORHYDRIN	SO	P
1922	COMMERCIAL PROCESS DEVELOPED AT CLENDENIN FOR PROPYLENE GLYCOL	SO	P
1922	COMMERCIAL PROCESS DEVELOPED AT CLENDENIN FOR BENZALDYHYDE	SO	P
1922	COMMERCIAL PROCESS DEVELOPED AT CLENDENIN FOR BENZOIC ACID	SO	P
1922	COMMERCIAL PROCESS DEVELOPED AT CLENDENIN FOR GLYCOL DIACETATE	SO	P
1922	COMMERCIAL PROCESS DEVELOPED AT CLENDENIN FOR FORMALDEHYDE	SO	P
1922	CURME PATENT APPLIC. PROC. OF MAKING ALKYL CHLORIDES ~24-1,518,182	SO	P
1923	PLANT LOCATION STUDY LEADING TO SELECTION OF SO. CHARLESTON SITE	GE	F
1923	DECISION TO LEASE ROLLINS PROPERTY AT SO. CHARLESTON	GE	F
1923	CELLOSOLVE DEVELOPED AT CLENDENIN, WV	OX	P
1923	ECONOMIC STUDY OF RAW MATERIAL/PROCESS/EQUIPMENT/SITE FOR CHEMICAL FACILITY	OX	M
1924	1ST 55 GAL. SALE OF ACETALDEHYDE	SO	P
1924	1ST 55 GAL. SALE OF PARALDEHYDE	SO	P
1924	1ST 55 GAL. SALE OF ALDOL	SO	P
1924	1ST 55 GAL. SALE OF CROTONALDEHYDE	SO	P
1924	1ST 55 GAL. SALE OF ACETIC ACID	SO	P
1924	1ST 55 GAL. SALE OF GLYCOLDIACETATE	SO	P
1924	NIACET CHEMICAL CO. FORMED	GE	M
1924	SOX KINSEY SENT TO CLENDENIN	GE	M
1924	RAFFERTY INITIATED TRAINING CHEMISTS & CHEM. ENG. AS SALESMEN (TECH. SERV.)	GE	M
1924	DAVIDSON WAS FIRST HIRE TO TRAIN AS TECH SERVICE SALESMAN	GE	M
1924	CONTRACT FOR CHLORINE WITH KLIPSTEIN (LATER WESTVACO)	GE	M

UCC TIME-LINE
EVENTS LISTED CHRONOLOGICALLY

1924	TYPE "V" TANK CAR DESIGNED & BUILT TO TRANSFER CONCENTRATES	OL1	M
1924	ISOBUTANE PRODUCED FOR REFRIGERATION APPLICATIONS	OL1	P
1924	CURME PATENT APPLIC. PROC. MAKING ETHYLENE DIAMINE ~'31-1,832,534	OX	P
1925	CELLOSOLVE SOLVENT UNIT IN OPERATION AT SO. CHARLESTON	OX	F
1925	UC&CC LEASES ROLLINS CHEMICAL CO. IN SO. CHARLESTON	GE	F
1925	NO. 1 OLEFINS PLANT STARTED AT SO. CHARLESTON	OL1	F
1925	ETHYLENE LYCOL SOLD AS ANTI-FREEZE (UNINHIBITED)	OX	P
1925	SO. CHARLESTON PLANT STARTS CRACKING GAS TO ETHYLENE & PROPYLENE	OL1	P
1925	NO. 1 CHLORHYDRIN UNIT CONSTRUCTED AT SO. CHARLESTON	OX	F
1925	NO. 1 ETHYLENE OXIDE UNIT CONSTRUCTED AT SO. CHARLESTON	OL1	F
1925	1ST 55 GAL. SALE OF ETHYLENE GLYCOL	OX	P
1925	1ST 55 GAL. SALE OF METHANE	OL1	P
1925	1ST 55 GAL. SALE OF ETHANE	OL1	P
1925	1ST 55 GAL. SALE OF ISOBUTANE	OL1	P
1925	1ST COMMERCIAL PRODUCTION IN US OF ETHYLENE CHLORHYDRIN	OX	P
1925	1ST COMMERCIAL PRODUCTION IN US OF ETHYLENE DICHLORIDE	SO	P
1925	1ST COMMERCIAL PRODUCTION IN US OF ETHYLENE	OL1	P
1925	1ST COMMERCIAL PRODUCTION IN US OF CELLOSOLVE	OX	P
1925	NIACET CHEMICALS CO. FORMED BY UC&CC AND CANADIAN ELECTRIC POWER CO.	AG	F
1925	FIRST ETHYLENE FOR FRUIT RIPENING SOLD	AG	P
1925	VISKING CO. FORMED (SEE 1956)	GE	M
1925	CORPORATE SAFETY AWARD PLAN STARTED	HS	M
1925	GAS CRACKING TUBE DESIGN IMPROVEMENTS YEILD 10+ FOLD PRODUCTIVITY	OL1	P
1925	ISOPROPANOL & ACETONE UNIT BUILT AT SO. CHARLESTON BUT NOT RUN - ABANDONED	SO	P
1926	CURME PATENT APPLIC. THERMAL DECOMP. OF HYDROCARBONS ~'27-1,646,349	OL1	P
1926	1ST COMMERCIAL PRODUCTION FROM NEW CELLOSOLVE UNIT - SO. CHARLESTON, WV	OX	P
1926	NO. 2,3 & 4 CHLORHYDRIN UNITS CONSTRUCTED AT SO. CHARLESTON	OX	F
1926	CURME PATENT APPLIC. MANUFACTURE OF GLYCOL ~'28-1,695,250	OX	P
1926	FIRST SALES OF ACETALDEHYDE PRODUCED AT NIACET FROM ACETALYENE	SO	P
1926	FIRST SALES OF ACETALDOL PRODUCED AT NIACET FROM ACETALYENE	SO	P
1926	FIRST SALES OF PARALDEHYDE PRODUCED AT NIACET FROM ACETALYENE	SO	P
1926	FIRST SALES OF CROTONALDEHYDE PRODUCED AT NIACET FROM ACETALYENE	SO	P
1927	U.S. BUREAU OF MINES 25 GLYCOL DERIVED EXPLOSIVES FOR USE IN COAL MINES	OX	M
1927	1ST COMMERCIAL PRODUCTION IN US OF "CELLOSOLVE" ACETATE	SO	P
1927	UC&CC BUYS ROLLINS CHEMICAL CO. & BLAINE ISLAND	GE	F
1927	CARBIDE AND CARBON CHEMICALS CORP. ESTABLISHED	GE	M
1927	UC&CC CONTRACTS FOR NATURAL GAS (SO. PENN NATURAL GAS CO.)	OL1	M
1927	CELLOSOLVE ACETATE PRODUCED AT SO. CHARLESTON	OX	P
1928	1ST 55 GAL. SALE OF n-BUTENE	SP	P
1928	1ST COMMERCIAL PRODUCTION IN US OF "CARBITOL" SOLVENT	OX	P
1928	1ST COMMERCIAL PRODUCTION IN US OF BUTYL "CARBITOL"	OX	P
1928	1ST COMMERCIAL PRODUCTION IN US OF BUTYL "CELLOSOLVE"	OX	P
1928	1ST COMMERCIAL PRODUCTION IN US OF DIETHYLENE GLYCOL	OX	P
1928	1ST COMMERCIAL PRODUCTION IN US OF TRIETHYLENE GLYCOL	OX	P
1928	1ST COMMERCIAL PRODUCTION IN US OF TRIETHANOL AMINE	OX	P
1928	1ST COMMERCIAL PRODUCTION IN US OF ACETIC ACID (AT NIACET)	SO	P
1928	EMPLOYEES GROUP LIFE INSURANCE PLAN STARTED	GE	M
1928	NIACET PLANT STARTED TO MAKE ORGANIC CHEMICALS FROM ACETYLENE	GE	F
1928	CURME PATENT APPLIC. NON-INFLAMMABLE LIQUIDS ~'31-1,817,893	GE	P
1928	NO. 1 OLEFINS PLANT SEPARATION UNIT AT SO. CHARLESTON DESTROYED BY FIRE	OL1	F
1928	NO. 5 & 6 CHLORHYDRIN UNITS COMPLETED AT SO. CHARLESTON	OX	F
1928	NO. 2 ETHYLENE OXIDE UNIT COMPLETED AT SO. CHARLESTON	OX	F
1928	PATENT FOR CELLOSOLVE PROCESS -1,696,874	OX	P
1928	NO. 3 ETHYLENE OXIDE UNIT CONSTRUCTED AT SO. CHARLESTON	OX	F
1928	ALKANOLAMINES PRODUCED	SP	P
1928	VINYL CHLORIDE / VINYL ACETATE COPOLYMERS INVENTED BY E. W. REID	VP	P
1929	ACETONE UNIT PLACED IN OPERATION AT SO. CHARLESTON	SO	F
1929	ALMOST EVERY DYNAMITE MANUFACTURER IN U.S. USING ETHYLENE GLYCOL	OX	M
1929	ETHYLENE OXIDE (CARBOXIDE) SOLD TO STERILIZE SURGICAL BANDAGES, SPICES ETC.	OX	P
1929	ETHYLENE OXIDE ANTIBACTERIAL PROPERTIES NOTED IN A PATENT	OX	P

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EVENTS LISTED CHRONOLOGICALLY

1929	1ST 55 GAL. SALE OF ACETONE	SO	P
1929	1ST 55 GAL. SALE OF ISOPROPANOL	SO	P
1929	1ST 55 GAL. SALE OF PROPYLENE	OL1	P
1929	1ST 55 GAL. SALE OF BUTYLENE	OL1	P
1929	1ST COMMERCIAL PRODUCTION IN US OF DICHLORETHYL ETHER	SO	P
1929	1ST COMMERCIAL PRODUCTION IN US OF DIOXANE	SP	P
1929	1ST COMMERCIAL PRODUCTION IN US OF ETHYLENE OXIDE	OX	P
1929	1ST COMMERCIAL PRODUCTION IN US OF METHYL "CELLOSOLVE"	OX	P
1929	1ST COMMERCIAL PRODUCTION IN US OF VINYL CHLORIDE	SP	P
1929	PLANT TO PRODUCE "PYROFAX" STARTED IN WV	GE	F
1929	UC&CC BUILDS CONCENTRATES PLANT AT HASTINGS WV	OL1	F
1929	UC&CC NIAGARA PLANT PRODUCES METHANOL	SO	P
1929	ETHL ALCOHOL PRODUCED EXPERIMENTALLY IN ISOPROPANOL UNIT AT SO. CHARLESTON	SO	P
1929	MELCO CHEMICAL CO. PRODUCED ISOPROPANOL COMMERCIALY	SO	P
1929	POSSIBLY FIRST SYNTHETIC METHANOL PRODUCED IN US AT NIAGRA FALLS PLANT	SO	P
1929	FACILITY INSTALLED AT SO.CHAR.TO PRODUCE VINYL CHLORIDE FROM EDC & KOH	VP	F
1930	1ST 55 GAL. SALE OF METHANOL	SO	P
1930	1ST 55 GAL. SALE OF ISOPROPYL ETHER	SO	P
1930	1ST 55 GAL. SALE OF ETHYL ETHER	SO	P
1930	1ST COMMERCIAL PRODUCTION IN US OF VINYL RESINS	VP	P
1930	1ST COMMERCIAL PRODUCTION IN US OF "CARBOXIDE" FUMIGANT	AG	P
1930	NEW PROCESS FOR ETHANOL DEVELOPED	SO	P
1930	1ST LARGE ETHANOL PLANT STARTED UP AT SO. CHARLESTON	SO	F
1930	1ST 55 GAL. SALE FROM NEW PROCESS OF ETHANOL	SO	P
1930	UCC PHILOSOPHY RE PRODUCT APPLICATIONS PATENTS REVISED AS RESULT OF	GE	M
1930	DUPONT PATENTING A UCC SALESMAN,S IDEA RE USE OF CELLOSOLVE	GE	M
1930	UC&CC BUYS DIAMOND PLANT	GE	F
1930	INHIBITOR DEVELOPED TO PREVENT ETHYLENE GLYCOL ANTI-FREEZE CORROSION	OX	P
1930	ULLMAN'S ENCYCLOPIDIA PUBLISHED - ETHANOL FROM ETHYLENE IMPRACTICAL	SO	P
1930	DUPONT INTRODUCED FLOUROCARBONS	SP	P
1930	UC&CC INTRODUCED POLYVINYL CHLORIDE TO OTHER INDUSTRIES	VP	P
1930	SMALL-SCALE SOLVENT VINYL RESINS UNIT STARTED UP AT SO. CHARLESTON	VP	F
1930	POLYVINYL ACETATE/POLYBUTYRAL UNIT STARTED UP AT SO.CHAR. (VINYLITE X)	VP	F
1931	1ST COMMERCIAL PRODUCTION IN US OF PROPYLENE OXIDE	SO	P
1931	1ST COMMERCIAL PRODUCTION IN US OF PROPYLENE DICHLORIDE	SO	P
1931	1ST COMMERCIAL PRODUCTION IN US OF PROPYLENE CHLORHYDRIN	SO	P
1931	1ST COMMERCIAL PRODUCTION IN US OF PROPYLENE GLYCOL	SO	P
1931	1ST COMMERCIAL PRODUCTION IN US OF ETHYLENE DICHLORIDE	SO	P
1931	1ST 55 GAL. SALE FROM NEW PROCESS OF n-BUTANOL	SO	P
1931	1ST 55 GAL. SALE FROM NEW PROCESS OF BUTYRALDEHYDE	SO	P
1931	"VINYLITE" PRODUCTION UNIT STARTED AT SO. CHARLESTON	VP	F
1931	1ST US PLANT TO PRODUCE BUTANOL & BUTYL ACETATE	SO	F
1931	1ST 55 GAL. SALE OF n-BUTYL ACETATE	SO	P
1931	ETHYLENE OXIDE REGISTERED BY USDA AS INDUSTRIAL FUMIGANT	AG	P
1931	FREDRICK BERGIUS & C. BOSCH RECEIVE NOBEL PRIZE FOR HP CONV. OF COAL TO OIL.	CH	M
1931	SIR ROBERT ROBINSON PROPOSES POLYETHYLENE REACTION WITHOUT CATALYST	HP	P
1931	PERRIN & SWALLOW MADE 1ST POLYETHYLENE PROPOSAL - ICI - NO. CHESHIRE	HP	P
1931	ACETYLENE REMOVAL FROM EHTYLENE PROBLEM SOLVED BY ACETONE ABSORPTION	OL1	P
1931	BUTYL ACETATE UNIT STARTED AT SO. CHARLESTON	SO	F
1931	LEFORT ETHYLENE OXIDE PATENT REVEIWED	OX	M
1932	BRODERICK DEVELOPED CELLOSIZE TO COMPETE WITH CELLOPHANE	OX	M
1932	1ST 55 GAL. SALE OF ETHYL ACETATE	SO	P
1932	1ST 55 GAL. SALE OF ACETOACETANILIDE	SP	P
1932	1ST 55 GAL. SALE OF METHYL ACETATE	SO	P
1932	1ST 55 GAL. SALE OF METHYL ACETONE	SO	P
1932	1ST COMMERCIAL PRODUCTION IN US OF MONOETHANOLAMINE	OX	P
1932	1ST COMMERCIAL PRODUCTION IN US OF DIETHANOLAMINE	OX	P
1932	1ST COMMERCIAL PRODUCTION IN US OF DICHLORETHYL ETHER (CHLOREX)	SO	P
1932	1ST COMMERCIAL PRODUCTION IN US OF DIETHYL SULFATE	SO	P
1932	NEW PROCESS FOR ETHYLACETOACETATE	SP	P

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1932	1ST 55 GAL. SALE FROM NEW PROCESS OF ETHYL ACETOACETATE	SP	P
1932	FIRST COMMERCIAL CDUDE OIL CRACKING AT GYRO AT SO. CHARLESTON	OL1	F
1932	'DRY' CELLOSIZING PROCESS DEVELOPED	OX	P
1932	PROCESS TO PRODUCE ACETIC ACID & ANHYDRIDE DISCOVERED (USED BY SHAWINIGAN)	SO	M
1932	ACETIC ANHYDRIDE UNIT AT SO. CHARLESTON STARTED USING NIACET ACETIC ACID	SO	F
1933	UC&CC RECEIVED 1ST "KIRKPATRICK AWARD" AS COMPANY IN PROCESS INDUSTRIES THAT	GE	M
1933	MADE THE GREATEST CONTRIBUTION TO THE INDUSTRY	GE	M
1933	ETHYLENE DICHLORIDE PRODUCED	SO	P
1933	1ST 55 GAL. SALE OF ISOPROPYL ACETATE	SO	P
1933	1ST 55 GAL. SALE OF BUTYRIC ACID	SO	P
1933	1ST COMMERCIAL PRODUCTION IN US OF METHYL AMYL ACETATE	SO	P
1933	1ST COMMERCIAL PRODUCTION IN US OF METHYL AMYL ALCOHOL	SO	P
1933	1ST COMMERCIAL PRODUCTION IN US OF METHYL ISOBUTYL KETONE	SO	P
1933	NEW PROCESS FOR ACETIC ANHYDRIDE	SO	P
1933	1ST 55 GAL. SALE FROM NEW PROCESS OF ACETIC ANHYDRIDE	SO	P
1933	ETHYLENE DICHLORIDE / ET. OXIDE MIX -"CARBOXIDE"- SOLD AS GRAIN FUMIGANT	AG	P
1933	PILOT PLANT FOR ETHYLENE AMINES STARED UP AT MELLON	OX	F
1933	ETHYLENE DICHLORIDE / CARBON TERTRACHLORIDE MIX -"CHLORASOL"- SOLD AS	AG	P
1933	SOIL FUMIGANT	AG	P
1933	HAWKS NEST DAM & HYDROELECTRIC PLANT COMPLETED AT GAULEY BRIDGE WV	GE	F
1933	GEORGE OLIVER CURME RECEIVED THE CHANDLER MEDAL FROM COLUMBIA UNIVERSITY	GE	M
1933	FAWCETT & GIBSON PRODUCE 1ST GRAM OF POLYETHYLENE	HP	P
1933	DIACETONE ALCOHOL PRODUCED IN TRIAL OPERATIONS AT SO. CHARLESTON	SO	F
1933	MESITYL OXIDE PRODUCED IN TRIAL OPERATIONS AT SO. CHARLESTON	SO	F
1933	METHYL BUTYL KETONE PRODUCED IN TRIAL OPERATIONS AT SO. CHARLESTON	SO	F
1933	METHYL AMYL ALCOHOL PRODUCED IN TRIAL OPERATIONS AT SO. CHARLESTON	SO	F
1933	METHYL AMYL ACETATE PRODUCED IN TRIAL OPERATIONS AT SO. CHARLESTON	SO	F
1934	1ST 55 GAL. SALE OF BUTYL ETHER	SO	P
1934	1ST COMMERCIAL PRODUCTION IN US OF n-HEXANOL	SO	P
1934	1ST COMMERCIAL PRODUCTION IN US OF 2-ETHYL HEXANOL	SO	P
1934	1ST COMMERCIAL PRODUCTION IN US OF 2-ETHYL BUTANOL	SO	P
1934	1ST COMMERCIAL PRODUCTION IN US OF 2-ETHYL HEXYL ACETATE	SO	P
1934	DITHIOCARBAMATE FUNGICIDES REGISTERED BY USDA.	AG	P
1934	GEORGE LAW SUGGESTS INITIATING R&D TO DEVELOP NEW PESTICIDES	AG	P
1934	ETHYL ACETATE PRODUCED IN NEW ACETIC ESTERS UNIT AT SO. CHARLESTON	SO	F
1934	ISOPROPYL ACETATE PRODUCED IN NEW ACETIC ESTERS UNIT AT SO. CHARLESTON	SO	F
1934	CELLOSOLVE ACETATE PRODUCED IN NEW ACETIC ESTERS UNIT AT SO. CHARLESTON	SO	F
1934	VINYL RESINS PATENT US #1935577 ALLOWED	VP	P
1935	1ST COMMERCIAL PRODUCTION IN US OF ETHYLENE DIAMINE	OX	P
1935	1ST COMMERCIAL PRODUCTION IN US OF DIETHYLENE TRIAMINE	OX	P
1935	1ST COMMERCIAL PRODUCTION IN US OF ETHYL SILICATE	SP	P
1935	1ST COMMERCIAL PRODUCTION IN US OF TRIETHYLENE TETRAMINE	OX	P
1935	1ST COMMERCIAL PRODUCTION IN US OF MORPHOLINE	SP	P
1935	ETHYLENEAMINES DEVELOPED AS REACTANTS FOR FUNGICIDES	AG	P
1935	DR. CURME INITIATED RESEARCH ON COAL HYDROGENATION	CH	M
1935	UC&CC BUILDS WHITING PLANT	GE	F
1935	EMPLOYEES SAVINGS PLAN ESTABLISHED	GE	M
1935	GEORGE CURME RECEIVED THE PERKINS MEDAL FROM THE SOC. OF THE CHEM. INDUSTRY	GE	M
1935	ONE OF EARLIEST HYDRAULIC FLUIDS PRODUCED AT SO. CHARLESTON	OX	M
1935	FAWCETT & GIBSON PRODUCE 5 GRAMS OF POLYETHYLENE	HP	P
1935	PATENT FOR STABILIZATION OF CELLOSOLVE -- 1,992,292	OX	P
1935	NO. 7 CHLORHYDRIN UNIT CONSTRUCTED AT SO. CHARLESTON	OX	F
1935	1ST DIRECT ETHYLENE OXIDATION UNIT DESIGNED (VORHEES ET AL)	OX	F
1935	1ST ACETIC ACID UNIT UTILIZING ACETALDEHYDE FROM ETHYLENE INSTALLED	SO	F
1935	1ST ACETIC ACID PLANT AT SO. CHARLESTON STARTED	SO	F
1935	ETHANOL UNIT (SULFURIC ACID PROCESS) STARTED UP AT WHITING	SO	F
1935	ACETONE UNIT STARTED UP AT WHITING	SO	F
1935	NON-SOLVENT VINYL RESINS PILOT PLANT BUILT AT SO. CHARLESTON	VP	F
1935	VINYLITE ADAPTED AS COATING FOR TIN CANS & IMPREGNATED MILK CARTONS	VP	P
1935	LINDE INTRODUCES DRIOX SYSTEM	GE	P

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1935	POLYVINYL ACETATE UNIT (VINYLITE A) UNIT BUILT AT SO. CHARLESTON	VP	F
1936	1ST 55 GAL. SALE OF METHYL ACETOACETATE	SP	P
1936	1ST 55 GAL. SALE OF o-CHLORACETOACETANALIDE	SP	P
1936	1ST 55 GAL. SALE OF DICHLORACETOACETANALIDE	SP	P
1936	PRODUCING DIETHANOLANIME & ALCOHOLS FOR AG INDUSTRY	AG	P
1936	BIOASSAY LAB SET UP IN SO. CHAR. TO TEST CHEMICALS ON ROACHES & MOSQUITOES	AG	M
1936	UC&CC NOW PRODUCING MORE THAN 150 ORGANIC CHEMICALS	GE	M
1936	GEORGE CURME RECEIVED THE ELLIOT CREESON MEDAL FROM THE FRANKLIN INSITUTE	GE	M
1936	CARBIDE AQUIRED PATENT RIGHTS TO LEFORTS ETHYLENE OXIDE PROCESS WORK	OX	M
1936	PATENT FOR STABLIZATION OF CELLOSOLVE -- 2,035,383	OX	P
1936	PATENT FOR MAKING TRANSPARENT CELLOSIZE FILM ~ 2,029,131	OX	P
1936	1ST ETHYLENE OXIDE PRODUCED BY DIRECT OXIDATION	OX	P
1936	LARGE NEW ACETIC ANHYDRIDE UNIT BUILT AT WHITING	SO	F
1936	ABSOLUTE ALCOHOL UNIT INSTALLED AT SO. CHARLESTON	SO	F
1936	VINYLTITE" RESIN UNIT COMPLETED AT SO. CHARLESTON	VP	F
1936	PROCESS FOR MAKING FILM FROM CELLOSIZE DEVELOPED	OX	M
1937	1ST COMMERCIAL PRODUCTION IN US OF BUTYL "CARBITOL" ACETATE	SO	P
1937	1ST COMMERCIAL PRODUCTION IN US OF "CARBITOL" ACETATE	SO	P
1937	1ST COMMERCIAL PRODUCTION IN US OF DIISOBUTYL KETONE	SO	P
1937	1ST COMMERCIAL PRODUCTION IN US OF DIISOPROPANOL AMINE	SP	P
1937	1ST COMMERCIAL PRODUCTION IN US OF DIOCTYL AMINE	SP	P
1937	1ST COMMERCIAL PRODUCTION IN US OF DIPROPYLENE GLYCOL	SP	P
1937	1ST COMMERCIAL PRODUCTION IN US OF ISOPROPANOL AMINE	SP	P
1937	1ST COMMERCIAL PRODUCTION IN US OF ETHYLBUTYRIC ACID	SP	P
1937	1ST COMMERCIAL PRODUCTION IN US OF ETHYLENE DICHLORIDE (40%)	SO	P
1937	1ST COMMERCIAL PRODUCTION IN US OF ETHYL SILICATE	SP	P
1937	1ST COMMERCIAL PRODUCTION IN US OF METHYL N-AMYL KETONE	SO	P
1937	1ST COMMERCIAL PRODUCTION IN US OF METHYL "CARBITOL"	OX	P
1937	1ST COMMERCIAL PRODUCTION IN US OF METHYL "CELLOSOLVE" ACETATE	SO	P
1937	1ST COMMERCIAL PRODUCTION IN US OF THIODIGLYCOL	SP	P
1937	1ST COMMERCIAL PRODUCTION IN US OF TRIISOPROPANOL AMINE	SP	P
1937	1ST 55 GAL. SALE OF "TERGITOL" 09, 4 & 7	OX	P
1937	1ST 55 GAL. SALE OF TRIETHYLENE GLYCOL DICHLORIDE	SP	P
1937	1ST 55 GAL. SALE OF "OXYFUME" FUMIGANT	AG	P
1937	COAL HYDROGENATION PILOT PLANT AT SOUTH CHARLESTON STARTED UP	CH	M
1937	MISCELLENEOUS (FINE) CHEMICALS UNIT STARTED UP AT SO. CHARLESTON	GE	F
1937	C K G.BILLINGS, THE FINANCIAL ORGANIZER OF UCCC, DIED ON MAY 6	GE	M
1937	RETIREMENT PLAN FOR EMPLOYEES ESTABLISHED	GE	M
1937	CHEMICAL HYGIENE FELLOWSHIP ESTABLISHED AT MELLON	MI	M
1937	UC&CC BUILDS LEACH KY CONCENTRATES PLANT	OL1	F
1937	NO. 3 OLEFINS AT SOUTH CHARLESTON ON STREAM	OL1	F
1937	1ST PLANT TO OXIDIZE ETHYLENE TO ETHYLENE OXIDE WITH AIR AT SO. CHARLESTON	OX	F
1937	NEW ACETIC ANHYDRIDE FACILITY COMPLETED	SO	F
1938	1ST SALE OF "VINYON" FIBER	VP	P
1938	1ST SALE OF "VINYON" N	VP	P
1938	1ST SALE OF ETHYL PROPYLACROLEIN	SP	P
1938	1ST SALE OF PROPIONIC ANHYDRIDE	SP	P
1938	1ST COMMERCIAL PRODUCTION IN US OF "CELLOSOLVE" WS	OX	P
1938	1ST COMMERCIAL PRODUCTION IN US OF DIACETONE ALCOHOL	SO	P
1938	1ST COMMERCIAL PRODUCTION IN US OF DIETHYL "CARBITOL"	OX	P
1938	1ST COMMERCIAL PRODUCTION IN US OF ETHYL BUTYRALDEHYDE	SO	P
1938	1ST COMMERCIAL PRODUCTION IN US OF ETHYL HEXALDEHYDE	SO	P
1938	1ST COMMERCIAL PRODUCTION IN US OF ETHYL HEXANOIC ACID	SO	P
1938	1ST COMMERCIAL PRODUCTION IN US OF N-HEXALDEHYDE	SO	P
1938	1ST COMMERCIAL PRODUCTION IN US OF HYDROXYETHYL ETHYLENE DIAMINE	OX	P
1938	1ST COMMERCIAL PRODUCTION IN US OF ISOPHORONE	SO	P
1938	1ST COMMERCIAL PRODUCTION IN US OF MESITYL OXIDE	SO	P
1938	1ST COMMERCIAL PRODUCTION IN US OF METHYL AMYL CARBINOL	SO	P
1938	1ST COMMERCIAL PRODUCTION IN US OF POLYGLYCOL DICHLORIDE	SP	P
1938	1ST COMMERCIAL PRODUCTION IN US OF PROPYLENE DIAMINE	SP	P

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1938	1ST COMMERCIAL PRODUCTION IN US OF TETRAETHYLENEGLYCOL DICHLORIDE	SP	P
1938	1ST COMMERCIAL PRODUCTION IN US OF TETRAGLYCOL DICHLORIDE	SP	P
1938	1ST COMMERCIAL PRODUCTION IN US OF TETRAMINE PENTAMINE	SP	P
1938	1ST SALE NEW MOLECULE OR MIX OF "FLEXOL" 3-GH & 3-GO	VP	P
1938	1ST COMMERCIAL PRODUCTION OF CELLOSIZ HEC	OX	P
1938	STARTED PRODUCTION OF FLEXOL PLASTICIZER 3GO	OX	P
1938	STARTED PRODUCTION OF FLEXOL PLASTICIZER 3GH	OX	P
1938	UCC DEVELOPED COMMERCIAL PROCESS FOR POLYETHYLENE GLYCOLS	OX	M
1938	NEW RESEARCH GROUP ESTABLISHED TO SYNTHESIZE NEW PESTICIDES	AG	M
1938	CURME PATENT APPLIC. IMPROVED DIESEL FUEL ~45-2,378,466	GE	P
1938	ICI PILOT PLANT PRODUCES POLYETHYLENE FOR 1 MILE OF SUBMARINE CABLE	HP	P
1938	CARBIDE ACQUIRED PATENT RIGHTS FOR DAUL ANHYDRIDE PROCESS FROM SHAWINIGAN	SO	M
1938	DUAL ANHYDRIDE PILOT PLANT OPERATED	SO	F
1939	1ST 55 GAL. SALE OF BUTYL AMINE	SP	P
1939	1ST 55 GAL. SALE OF DIBUTYL AMINE	SP	P
1939	1ST 55 GAL. SALE OF BUTYRIC ANHYDRIDE	SO	P
1939	1ST 55 GAL. SALE OF DICYCLOPENTADIENE	SP	P
1939	1ST 55 GAL. SALE OF METHYL PROPYL CARBINOL	SP	P
1939	1ST 55 GAL. SALE OF PIPERAZINE	SP	P
1939	1ST COMMERCIAL PRODUCTION IN US OF DICHLORISOPROPYL ETHER	SP	P
1939	1ST COMMERCIAL PRODUCTION IN US OF "FLEXOL" DOP	VP	P
1939	1ST COMMERCIAL PRODUCTION IN US OF POLYPROPYLENE GLYCOL	SP	P
1939	1ST COMMERCIAL PRODUCTION IN US OF TETRAETHYLENE GLYCOL	OX	P
1939	1ST COMMERCIAL PRODUCTION IN US OF "CARBOWAX" 1500 & 4000	OX	P
1939	1ST COMMERCIAL PRODUCTION IN US OF ETHYLENE DICHLORIDE	SO	P
1939	1ST COMMERCIAL PRODUCTION OF POLYETHYLENE GLYCOL 300	OX	P
1939	1ST COMMERCIAL PRODUCTION OF POLYETHYLENE GLYCOLS IN U.S. AT FINE CHEMICALS	OX	P
1939	BAKELITE CO. ACQUIRED BY STOCK TRANSFER	GE	M
1939	ACQUISITION OF BAKELITE ADDED PHENOL & UREA FORMALDEHYDE, CELLULOSE	GE	M
1939	ACETATE AND POLYSTYRENE	GE	M
1939	1ST AUTOCLAVE POLYETHYLENE BY ICI ALKALI DIV.	HP	P
1939	PATENT APPLIC. OLEFIN OXIDES & CATALYSTS ~40-2,219,575	OX	P
1939	METHANOL PRODUCTION STARTED AT SO. CHARLESTON	SO	P
1939	DELIBERATE PRODUCTION OF ETHYLENE DICHLORIDE STARTED	SO	P
1939	ACETIC ACID UNITS 2 & 3 MODIFIED TO OPERATE IN THE ACETIC ANHYDRIDE MODE	SO	F
1939	CURME PATENT APPLIC. PREP AMINO CARBOXYLIC ACIDS & SALTS ~45-2,384,816	SP	P
1939	NON-SOLVENT VINYL RESINS UNIT STARTED	VP	F
1939	VINYL RESIN VMCH (IMPROVED ADHESION, CABOXYL TYPE) INTRODUCED	VP	P

THE WAR YEARS (1940 to 1945)

1940	US AUTHORITIES URGE DEVELOPMENT BUTADIENE PROCESS	SR	M
1940	LAB WORK ACCELERATED FOR BUTADIENE CATALYST	SR	P
1940	1ST 55 GAL. SALE OF BUTADIENE	SR	P
1940	1ST COMMERCIAL PRODUCTION IN US OF HEXYL ETHER	SP	P
1940	1ST COMMERCIAL PRODUCTION IN US OF PENTAETHYLENE HEXAMINE	SP	P
1940	1ST COMMERCIAL PRODUCTION IN US OF AMINE 220	SP	P
1940	1ST COMMERCIAL PRODUCTION IN US OF "CARBIC" ANHYDRIDE	SP	P
1940	1ST COMMERCIAL PRODUCTION IN US OF MALEIC ANHYDRIDE	SP	P
1940	SILICONE LAB & PILOT PLT. INITIATED BY LINDE AT TONAWANDA	SI	F
1940	DDT PATENTED - MANY CHEM. CO.s INSTITUTED MAJOR PESTICIDE DEV. PROGRAMS	AG	P
1940	LARGER POLYETHYLENE UNIT AT CHESHIRE ICI ALKALI DIV.	HP	F
1940	LINDE PRODUCES A FEW GRAMS OF WHITE POLYETHYLENE POWDER	HP	P
1940	TEXAS CITY PLANT CONSTRUCTED	GE	F
1940	GEORGE CURME RECEIVED THE NAT. MODERN PIONEERS AWARD FROM THE N A of MNFRS	GE	M
1940	PATENT APPLIC. GAS SEPARATION ~43-2,321,666	OL1	P
1940	CELLOSOLVE PROCESS MUCH IMPROVED BY CATALYST CHANGE	SO	P
1940	ISOPHORONE PRODUCED AT FINE CHEMICALS UNIT AT SO. CHARLESTON	SO	P
1940	METHANOL UNIT AT SO. CHARLESTON STARTED UP	SO	F
1940	VINYL RESINS EVOLVE SEMICONTINUOUS REACTION AND SPRAY DRYING	VP	M
1940	PATENT APPLIC. TIN STABILIZERS FOR VINYLs ~41-2,267,779	VP	P
1940	TIN STABILIZERS INTRODUCED	VP	P
1941	1ST 55 GAL. SALE OF ACETOACET-O-TOLUIDIDE	SP	P
1941	1ST 55 GAL. SALE OF BUTYL CHLORIDE	SP	P
1941	1ST COMMERCIAL PRODUCTION IN US OF GLYOXAL	AG	P
1941	1ST COMMERCIAL PRODUCTION IN US OF DIMETHYL ETHANOLAMINE	OX	P
1941	1ST COMMERCIAL PRODUCTION OF GLYOXAL	OX	P
1941	ICI LICENSES POLYETHYLENE TECHNOLOGY TO DUPONT	HP	P
1941	INFORMATION ON POLYETHYLENE USE IN RADAR TRANSMITTED TO US	HP	P
1941	COMMODORE DOW OF USA PROPOSES USE & MNFR. OF POLYETHYLENE IN US	HP	P
1941	U.S. NAVY INVITES UCC TO SUBLICENSE THE ICI POLYETHYLENE PROCESS	HP	P
1941	LINDE LAB PRODUCES POLYETHYLENE BASED ON US PATENT OF HARVARD	HP	P
1941	LINDE MEASURES POLYETHYLENE POLYMERIZATION RATES VS. TEMP. & PRES.	HP	P
1941	FULL EFFORTS OF LINDE DIV. CONCENTRATED ON POLYETHYLENE	HP	P
1941	1ST UCC CONTINUOUS PRODUCTION OF POLYETHYLENE IN LONG TUBE (3/16" X 5.5')	HP	P
1941	LINDE SENDS 5 LBS. OF POLYETHYLENE TO BAKELITE DIV. FOR EVALUATION	HP	P
1941	UC&CC BUILDS TEXAS CITY PLANT	GE	F
1941	CRASH PROGRAM TO RECOVER BUTADIENE FOR US RUBBER PROGRAM	OL1	P
1941	1ST US TANK CAR BY-PRODUCT BUTADIENE (FOR BUNA S DEVELOPMENT	SR	P
1941	BUTADIENE CATALYST DEVELOPED	SR	P
1941	UC&CC STYRENE & BUTADIENE PLANTS PROPOSED	SR	F
1941	NO. 1 OLEFINS AT TEXAS CITY ON STREAM	OL1	F
1941	NEW ETHYLENE OXIDE UNIT BUILT AT TEXAS CITY	OX	F
1941	TEXAS CITY BUTANOL UNIT ON STREAM	SO	P
1941	ETHANOL UNIT (SULFURIC ACID PROCESS) STARTED UP AT TEXAS CITY	SO	F
1941	NO. 2 VINYL CHLORIDE UNIT (EDC PYROLYSIS) COMPLETED AT SO. CHARLESTON	VP	F
1941	NO. 2 & 3 NONSOLVENT VINYL RESINS UNITS BUILT AT SO. CHARLESTON	VP	F
1942	1ST COMMERCIAL PRODUCTION IN US OF METHYLDIETHANOL AMINE	SP	P
1942	1ST COMMERCIAL PRODUCTION IN US OF 2,4 PENTANEDIONE	SP	P
1942	1ST COMMERCIAL PRODUCTION IN US OF PEG 600	OX	P
1942	BUREAU OF SHIPS CONTRACTS WITH DUPONT FOR POLYETHYLENE PLT. BY MAR. '43	HP	F
1942	LINDE INDEPENDENTLY STARTS POLYETHYLENE DEVELOPMENT PROGRAM	HP	P
1942	LINDE POLYETHYLENE PILOT PLANT STARTED UP (100 LBS./DAY)	HP	F
1942	CABLE SAMPLES PRODUCED FROM RESIN FROM LINDE POLYETHYLENE PILOT PLANT	HP	P
1942	LINDE POLYETHYLENE PILOT PLANT OPERATES 240 LBS./DAY FOR 1 YR.	HP	F
1942	BUREAU OF SHIPS CONTRACTS WITH UCC FOR 1.5 MM LBS./YR. POLYETHYLENE PLT.	HP	M
1942	2-ETHYLHEXANEDIOL INSECT REPELLANT DISCOVERED AT SO. CHARLESTON	AG	P
1942	UCC ASKED TO PARTICIPATE IN THE "MANHATTAN PROJECT" (URANIUM ENRICHMENT)	GE	M
1942	TEXAS CITY PLANT FOUND TO BE SUBSIDING	OL1	F

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1942	ACETIC ACID/ANHYDRIDE UNIT INSTALLED AT TEXAS CITY	SO	F
1942	ACETONE UNIT STARTED UP AT TEXAS CITY	SO	F
1942	1ST 55 GAL. SALE OF TRICHLOROETHANE	SP	P
1942	1ST SALE NEW MOLECULE OR MIX OF 2-ETHYLHEXANEDIOL	SP	P
1942	BUILT INSTITUTE & LOUISVILLE PLANTS	SR	F
1942	STARTED SHIPPING BUTADIENE FROM INSTITUTE	SR	P
1942	EMULSION VINYL RESINS PROCESS DEVELOPMENT WORK STARTED	VP	M
1942	NEW COMPOSITION OF MATTER UCON LUBRICANT 50-HB-260 PRODUCED(HYDRAULIC FL)	OX	P
1942	NEW COMPOSITION OF MATTER UCON LUBRICANT 50-HB-400 PRODUCED(HYDRAULIC FL)	OX	P
1942	NEW COMPOSITION OF MATTER UCON LUBRICANT 50-HB-70 PRODUCED(HYDRAULIC FL)	OX	P
1943	1ST 55 GAL. SALE OF "CARBOWAX" MPG 350 & 550	OX	P
1943	POLYETHYLENE STEERING COMM. FORMED (USA, INDUSTRY & CABLE PRODUCERS)	HP	M
1943	WAR PRODUCTION BOARD STARTS ALLOCATION OF POLYETHYLENE SHIPMENTS	HP	M
1943	1ST COMMERCIAL PRODUCTION IN US OF "UCON" LUBRICANTS LB-135, 250 & 400	OX	P
1943	1ST COMMERCIAL TUBULAR PRODUCTION OF POLYETHYLENE BY UCC	HP	P
1943	OVER 75% OF BUTADIENE FOR SYNTHETIC RUBBER PROGRAM CAME FROM	SR	P
1943	CARBIDES ALCOHOL PROCESS	SR	P
1943	DUPONT BUILDS 1ST AUTOCLAVE POLYETHYLENE PLANT UNDER ICI LICENSE	HP	F
1943	UCC PRODUCES 4.4 MM LBS. POLYETHYLENE FOR NAVY RADAR INSULATION NEEDS	HP	P
1943	STARTED SHIPPING STYRENE FROM INSTITUTE	SR	P
1943	I G FARBEN BUILD TUBULAR POLYETHYLENE PLANT IN GERMANY	HP	F
1943	ACETYLENE IN ETHYLENE REDUCED TO 0.05% BY HYDROGENATION	OL1	P
1943	1ST COMMERCIAL PRODUCTION OF CARBOWAX METHOXY PEG 350	OX	P
1943	1ST COMMERCIAL PRODUCTION OF CARBOWAX METHOXY PEG 550	OX	P
1943	NEW COMPOSITION OF MATTER UCON LUBRICANT LB-135 PRODUCED(MOTOR OILS)	OX	P
1943	NEW COMPOSITION OF MATTER UCON LUBRICANT LB-250 PRODUCED(MOTOR OILS)	OX	P
1943	NEW COMPOSITION OF MATTER UCON LUBRICANT LB-400 PRODUCED(MOTOR OILS)	OX	P
1943	UCC CONTRACTS TO OPERATE THE MASSIVE GASEOUS DIFFUSION PLANT K-25	NU	M
1943	GASEOUS DIFFUSION PROCESS CONSTRUCTION STARTED	NU	F
1944	1ST 55 GAL. SALE OF ALLYL ALCOHOL	SP	P
1944	1ST 55 GAL. SALE OF ALLYL CHLORIDE	SP	P
1944	1ST 55 GAL. SALE OF EPICHLORHYDRIN	SP	P
1944	ETHYLENE DICHLORIDE MARKETING AS GRAIN FUMIGANT	AG	P
1944	SMALL AMOUNT OF ALLETHRIN PRODUCED AT SO. CHARLESTON & SOLD	AG	P
1944	NON-IONIC SURFACTANTS & GLYCOL ETHERS BEING SOLD TO AG CHEM INDUSTRIES	AG	P
1944	PROCESS FOR PRODUCTION OF SYNTHETIC PYRATHOIDS (ALLETHRIN) DEVELOPED	AG	P
1944	GEORGE OLIVER CURME RECEIVED THE WILLARD GIBBS MEDAL FROM THE ACS	GE	M
1944	CHEMICAL HYGIENE FELLOWSHIP PIONEERED "RANGE FINDING TESTS" CONCEPT	MI	M
1944	PATENT APPLIC. VINYL CHLORIDE-ACETATE-ALCOHOL COPOYMERS ~50-2,512,726	VP	P
1944	R & D WORK STARTED ON ACRYLONITRILE PROCESS	OX	P
1944	CONTRACT TO PRODUCE "BARRIER" (KEY COMPONENT OF GASEOUS DIFFUSION PROCESS)	NU	M

GROWTH (1945 to 1960)

1945	1ST COMMERCIAL PRODUCTION IN US OF STABILIZER D-22	VP	P
1945	1ST COMMERCIAL PRODUCTION IN US OF 2,3-DICHLORPROPANOL-1 (VIA ALLYL ALCOHOL)	SP	P
1945	AUTOMATED COAL MINING MACHINE BUILT AND OPERATED	CH	M
1945	BOYCE THOMPSON INSTITUTE ESTABLISHED (UC&CC FUNDED)	GE	M
1945	CONSIDERED ABANDONING THE POLYETHYLENE BUSINESS	PE	M
1945	VINYL RESIN VAGH (WIDER COMPATABILITY, HYDROXY TYPE) INTRODUCED	VP	P
1945	UCC ASSUMED RESPONSIBILITY FOR THE SAM LABORATORIES	NU	M
1946	1ST 55 GAL. SALE OF HEXYLENE GLYCOL	SO	P
1946	1ST COMMERCIAL PRODUCTION IN US OF DIPROPYL TRIAMINE	SP	P
1946	1ST COMMERCIAL PRODUCTION IN US OF "FLEXOL" TOF	VP	P
1946	1ST COMMERCIAL PRODUCTION IN US OF METHYL MORPHOLINE	SP	P
1946	1ST COMMERCIAL PRODUCTION IN US OF MONOETHYLHEXYLAMINE	SP	P
1946	1ST COMMERCIAL PRODUCTION IN US OF 2-ETHYLHEXANEDIOL	SP	P
1946	1ST SALE NEW MOLECULE OR MIX OF "FLEXOL" 8N8	VP	P
1946	2-ETHYLHEXANEDIOL PATENTED AS INSECT REPELLANT	AG	P
1946	HEXYLENE GLYCOL INTRODUCED FROM L P HYDROGENATION OF DIACETONE ALCOHOL	SO	P
1946	EMULSION VINYL RESINS PRODUCTION UNIT STARTED UP IN SO. CHARLESTON	VP	F
1946	ATOMIC ENERGY COMMISSION FORMED - NUCLEAR ENERGY UNDER CIVILIAN CONTROL	NU	M
1947	1ST COMMERCIAL PRODUCTION IN US OF ETHYL BUTYL KETONE	SO	P
1947	1ST COMMERCIAL PRODUCTION IN US OF ETHOXY TRIETHYLENE GLYCOL	SP	P
1947	1ST COMMERCIAL PRODUCTION IN US OF 2-METHYL PENTANOL-1	SO	P
1947	1ST COMMERCIAL PRODUCTION IN US OF PYRUVIC ALDEHYDE	SP	P
1947	1ST COMMERCIAL PRODUCTION IN US OF FUNGICIDE 341	AG	P
1947	1ST COMMERCIAL PRODUCTION IN US OF SORBIC ACID	SP	P
1947	341 FUNGICIDE (GLYODIN) INTRODUCED FOR APPLES , PEARS AND CHERRIES	AG	P
1947	INTRODUCED TERGITOL NONIONIC EH	OX	P
1947	INTRODUCED TERGITOL ANIONIC P-28	OX	P
1947	Y-12 ELECTROMAGNETIC SEPARATION PLANT SHUT DOWN	NU	F
1947	Y-12 CONVERTED TO OTHER PURPOSES UNDER UCC CONTROL	NU	F
1947	SORBIC & PROPIONIC ACID DERIVATIVES INTRODUCED AS SILAGE PRESERVATIVE	AG	P
1947	UC&CC PROCURES INSTITUTE PLANT	GE	F
1947	FELLOWSHIP LODGED WITH PHYSICS DEPT. AT COLUMBIA UNIV. LED TO LASER	GE	M
1947	STARTED PILOT PLANT FOR PARTIAL OXIDATION OF METHANE TO ACETYLENE	OL1	F
1947	ETHYL PROPYL ACRROLEIN PRODUCED AT INSTITUTE PLANT	SO	P
1947	ACETONE UNIT STARTED UP AT INSTITUTE	SO	F
1947	SOLVENT & NON-SOLVENT VINYL RESINS FACILITIES STARTED UP AT TEXAS CITY	VP	F
1948	1ST 55 GAL. SALE OF ACETOACET-O-ANISIDIDE	SP	P
1948	1ST 55 GAL. SALE OF ACTOACET-P-PHENETIDIDE	SP	P
1948	1ST 55 GAL. SALE OF ACETOPHENONE	SP	P
1948	1ST COMMERCIAL PRODUCTION IN US OF DIISOBUTYL CARBINOL	SO	P
1948	1ST COMMERCIAL PRODUCTION IN US OF CRAG FLY REPELLANT #1	AG	P
1948	1ST COMMERCIAL PRODUCTION IN US OF ISOPROPYL AMINE	SP	P
1948	CRAG FLY REPELLANT (BUTOXYPPG) 1ST PROPRIETARY AG PRODUCT	AG	P
1948	OCCUPATIONAL INJURY LOST TIME LOWEST IN CORPORATE HISTORY	GE	M
1948	STANDARD OF IND. PATENT Ni ON C AND MoO3 FOR POLYETHYLENE	LP	M
1948	NO. 2 OLEFINS AT TEXAS CITY ON STREAM	OL1	F
1948	MIXED KETONE PROCESS STARTED UP AT INSTITUTE	SO	F
1948	OAK RIDGE NATIONAL LABORATORY ADDED TO UCC ROLE IN ATOMIC ENERGY	NU	M
1949	1ST 55 GAL. SALE OF BUTANEDIOL	SP	P
1949	1ST 55 GAL. SALE OF DIETHYL AMINE	SP	P
1949	1ST 55 GAL. SALE OF ETHYL ACRYLATE	SP	P
1949	1ST 55 GAL. SALE OF "TERGITOL" NPG 101	OX	P
1949	1ST 55 GAL. SALE OF TETRAHYDROPHthalic ANHYDRIDE	SP	P
1949	1ST 55 GAL. SALE OF TRIETHYL AMINE	SP	P
1949	1ST COMMERCIAL PRODUCTION IN US OF PPG 425 & 2025	OX	P
1949	1ST COMMERCIAL PRODUCTION IN US OF "FLEXOL" 3CF	VP	P
1949	1ST COMMERCIAL PRODUCTION IN US OF PHENYL METHYL CARBINOL	SP	P
1949	1ST COMMERCIAL PRODUCTION IN US OF HEXYL "CELLOSOLVE"	OX	P

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1949	AN AG CHEMICALS GROUP WAS ESTABLISHED AS PART OF THE FINE CHEMICALS DIV.	AG	M
1949	RESEARCH CENTER (TECH CENTER) AT SO.CHARLESTON COMPLETED	GE	F
1949	CORPORATE STRUCTURE CHANGED TO HOLDING COMPANY WITH INDEPENDANT DIVISIONS	GE	M
1949	FIRST PROCESS CENTRIFUGAL COMPRESSOR IN CARBIDE (NO. 1 OLEFINS)	OL1	F
1950	1ST 55 GAL. SALE OF ACETOACET-P-CHLORANILIDE	SP	P
1950	1ST 55 GAL. SALE OF ACROLEIN	SP	P
1950	1ST 55 GAL. SALE OF BUTYL ACRYLATE	SP	P
1950	1ST 55 GAL. SALE OF DIETHYLAMINOETHYL AMINE	SP	P
1950	1ST 55 GAL. SALE OF "FLEXOL" PLASTICIZER A-26	VP	P
1950	1ST 55 GAL. SALE OF ISODECANOL	SP	P
1950	1ST 55 GAL. SALE OF NONYL ACETATE	SP	P
1950	1ST COMMERCIAL PRODUCTION IN US OF METHYL ETHYL PYRIDINE	SP	P
1950	1ST COMMERCIAL PRODUCTION IN US OF PEG AMINE 175	SP	P
1950	1ST COMMERCIAL PRODUCTION IN US OF ALLYL CINNERIN	SP	P
1950	CRAG GLYODIN WAS INTRODUCED FOR COMMERCIAL SALE	AG	P
1950	STARTED UP TEXAS CITY "C" GAS UNIT (ACETYLENE FROM METHANE)	OL1	F
1950	NO. 1 OLEFINS AT INSTITUTE ON STREAM	OL1	F
1950	CELLOSIZ PRODUCTION MOVED TO NIAGARA FALLS PLANT - SLURRY PROCESS	OX	F
1950	NEW ETHYLENE OXIDE UNIT BUILT AT INSTITUTE	OX	F
1950	NEW ETHYLENE OXIDE UNIT BUILT AT WHITING	VP	F
1950	DYNEL FIBER PLANT BUILT AT SO. CHARLESTON	VP	M
1950	DEVELOPMENT WORK STARTED ON SUSPENSION VINYL RESIN PROCESS	VP	F
1950	DYNEL RESIN PRODUCTION UNIT CONSTRUCTED AT SO. CHARLESTON	VP	M
1950	EMULSION VINYL PROCESS DEVELOPED FOR PLASTISOLS AND ORGANISOLS	OX	F
1950	CELLOSIZ PRODUCTION MOVED TO NIAGRA FALLS	NU	F
1950	EARLY '50s -GASEOUS DIFFUSION EXTENDED TO FACILITIES AT PADUCAH, KENTUCKY	SP	P
1951	1ST 55 GAL. SALE OF AMYL ALCOHOL	SP	P
1951	1ST 55 GAL. SALE OF BUTYL OCTANOL	SP	P
1951	1ST 55 GAL. SALE OF CALCIUM ACRYLATE	AG	P
1951	1ST 55 GAL. SALE OF "CRAG" 341 (HEPTADECYL GLYOXYALIDINE ACETATE)	SP	P
1951	1ST 55 GAL. SALE OF DI (METHYL "CELLOSOLVE") MALEATE	SP	P
1951	1ST 55 GAL. SALE OF ETHOXYPROPIONALDEHYDE	SP	P
1951	1ST 55 GAL. SALE OF ETHYL FORMATE	OX	P
1951	1ST 55 GAL. SALE OF HYDROXY ETHYL DIETHYLENE TRIAMINE	SP	P
1951	1ST 55 GAL. SALE OF METHYL ACRYLATE	SP	P
1951	1ST 55 GAL. SALE OF PROPIONALDEHYDE	SP	P
1951	1ST COMMERCIAL PRODUCTION IN US OF ETHYLHEXYL CHLORIDE	OX	P
1951	1ST COMMERCIAL PRODUCTION IN US OF ETHYLENE CHLORHYDRIN (85%)	VP	P
1951	1ST COMMERCIAL PRODUCTION IN US OF "FLEXOL" 2GB	OX	P
1951	1ST COMMERCIAL PRODUCTION IN US OF METHYL MONOETHANOLAMINE	SP	P
1951	1ST COMMERCIAL PRODUCTION IN US OF ISOPROPENYL ACETATE	SP	P
1951	1ST COMMERCIAL PRODUCTION IN US OF VINYL BUTYL ETHER	VP	P
1951	1ST SALE NEW MOLECULE OR MIX OF "FLEXOL" R-2H	AG	P
1951	1ST SALE NEW MOLECULE OR MIX OF CRAG GLYODIN	AG	M
1951	C&CCC TOOK OVER AG PRODUCTS	CH	F
1951	COAL HYDROGENATION PLANT OPERATING AT INSTITUTE WV	CH	F
1951	COAL HYDROGENATION DEMONSTRATION UNIT AT INSTITUTE STARTED UP	SO	F
1951	DEVELOPMENTAL PERACETIC ACID UNIT BUILT	OX	M
1951	FOWLER AND DENISON "DISCOVER" POLYETHYLENE OXIDE - POLYOX	SP	P
1952	1ST 55 GAL. SALE OF GAMMA-PICOLINE	SP	P
1952	1ST COMMERCIAL PRODUCTION IN US OF BUTOXY ETHOXY PROPANOL	SP	P
1952	1ST COMMERCIAL PRODUCTION IN US OF DIISOPROPYL ETHANOLAMINE	SP	P
1952	1ST COMMERCIAL PRODUCTION IN US OF ETHOXY ETHOXY PROPANOL	OX	P
1952	1ST COMMERCIAL PRODUCTION IN US OF N-ETHYL ETHANOLAMINE	SP	P
1952	1ST COMMERCIAL PRODUCTION IN US OF ALPHA-PICOLINE	AG	M
1952	UCC STAFF AT BOYCE THOMPSON INSTITUTE SET UP AS A SEPARATE AG GROUP	HS	M
1952	BOUND BROOK PLANT & MIDDLESEX COUNTY SEWERAGE AUTHORITY PLAN TREATMENT	M	
1952	POLYETHYLENE LICENSING RESOLVED IN ANTI-TRUST AGREEMENT BETWEEN ICI & US GOV.PE	GE	F
1952	SEADRIFT PLANT BEING BUILT	SO	P
1952	ETHYL ACRYLATE PRODUCED IN PILOT FACILITY IN FINE CHEMICALS AT SO. CHARLESTON		

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1952	CARBOWAX UNIT INSTALLED AT INSTITUTE	OX	F
1952	ACRYLONITRILE UNIT BUILT AT INSTITUTE (ETHYLENE OXIDE AND HYDROGEN CYANIDE)	OX	F
1953	OXIDE ADDUCTS UNIT STARTED UP AT INSTITUTE	OX	F
1953	INTRODUCED TERGITOL NP-14	OX	P
1953	INTRODUCED TERGITOL NP-27	OX	P
1953	INTRODUCED TERGITOL NP-35	OX	P
1953	1ST 55 GAL. SALE OF VINYL BUTARATE	SP	P
1953	1ST 55 GAL. SALE OF ACROLEIN DIMER	SP	P
1953	1ST 55 GAL. SALE OF N-AMINO PHENYLMETHYL CARBINOL	SP	P
1953	1ST 55 GAL. SALE OF BUTYL ACETANALIDE	SP	P
1953	FUNGICIDE CRAG 658 (CU-ZN CHROMATE) SOLD FOR POTATOES & TOMATOES	AG	P
1953	PATENT APPL. FOR 1-NAPHTHYL-N-METHYL CARBAMATE (LATER SEVIN)	AG	P
1953	KIRKPATRICK AWARD TO CARBIDE FOR COAL HYDROGENATION	CH	M
1953	R&D BEGINS WATER POLLUTION TESTING	HS	M
1953	PHILLIPS PETROLIUM PATENTS CrO3/SiO2 CATALYSTS	LP	M
1953	ZIEGLER PATENTS AIR3/TiCl4 CATALYST	LP	M
1953	EXPANDED TEXAS CITY "C" GAS UNIT (ACETYLENE FROM METHANE)	OL1	F
1953	ETHANOL UNIT (DIRECT HYDRATION OF ETHYLENE) STARTED AT INSTITUTE	SO	F
1954	TEGITOL SURFACTANTS RECOGNIZED AMONG BEST WETTING AGENTS IN THE MARKET	OX	P
1954	INTRODUCED TERGITOL NP-40	OX	P
1954	INTRODUCED TERGITOL TP-9	OX	P
1954	1ST 55 GAL. SALE OF DECYL ACRYLATE	SP	P
1954	1ST 55 GAL. SALE OF ETHYLENE CYANOHYDRIN	SP	P
1954	1ST COMMERCIAL PRODUCTION IN US OF DIETHYLAMINE PROPYLAMINE	SP	P
1954	1ST COMMERCIAL PRODUCTION IN US OF 1,2,6-HEXANETRIOL	SP	P
1954	1ST COMMERCIAL PRODUCTION IN US OF DIMETHYLAMINO PROPYLAMINE	SP	P
1954	1ST COMMERCIAL PRODUCTION IN US OF VINYL ETHYLHEXOATE	SP	P
1954	1ST COMMERCIAL PRODUCTION IN US OF TETRA (ETHYLHEXYL) SILICATE	SP	P
1954	1ST SALE NEW MOLECULE OR MIX OF "CARBOWAX" PEG 20N	OX	P
1954	SALES OF " CRAG" HERBICIDE 1 (2,4 DICHLOROPHENOXY ETHYL SULFATE) BEGAN	AG	P
1954	TORRANCE PLANT BUILT	GE	F
1954	AWARD OF HONOR" TO CORPORATION FROM NATIONAL SAFETY COUNCIL	GE	M
1954	AVERAGE ACCIDENT FREQUENCY RATE ABOUT 1/4 NATIONAL AVERAGE	GE	M
1954	UNION CARBIDE CANADA FORMED (TO CONSOLIDATE CANADIAN ACTIVITIES)	GE	M
1954	OLEFINS UNIT NO. 1 STARTED UP AT SEADRIFT (360 MPPY)	OL2	F
1954	WORLD'S 1ST COMPUTER CONTROLLED ETHYL OXIDE UNIT STARTED AT SEADRIFT	OX	F
1954	PRODUCTION OF A DRY POWDER CELLOSIZATE STARTED AT NIAGARA FALLS PLANT	OX	F
1954	PATENT FOR NEW CELLOSIZATE PROCESS (DILUENT MEDIA) - 2.682.535	OX	P
1954	NEW ETHYLENE OXIDE UNIT BUILT AT SEADRIFT	OX	F
1954	UCC LICENSED ZIEGLER CATALYST PATENTS	PL	M
1954	1ST CARBIDE HIGH PRESSURE OXO UNIT BUILT AT TEXAS CITY	SO	F
1954	PROPIONALDEHYDE PRODUCED AT TEXAS CITY	SO	P
1954	AMYL ALDEHYDE PRODUCED AT TEXAS CITY	SO	P
1954	ISO OCTALDEHYDE PRODUCED AT TEXAS CITY	SO	P
1954	DECYL ALDEHYDE PRODUCED AT TEXAS CITY	SO	P
1954	BUTYRALDEHYDE PRODUCED AT TEXAS CITY	SO	P
1954	200 EPOXIDES SYTHESIZED IN LAB - 21 PRODUCED (20 TO 200 LBS.) FROM PERACETIC ACID	SO	P
1954	ETHYL ACRYLATE AND ACRYLIC ACID UNIT BUILT AT INSTITUTE PLANT (ET CYANOHYDRIN)	SO	F
1954	VINYL ACETATE UNIT INSTALLED AT SEADRIFT	VP	F
1954	PRODUCTION OF DRY POWDER CELLOSIZATE STARTED AT NIAGRA FALLS	OX	P
1955	UCC ESTABLISHES A NUCLEAR DIVISION	NU	M
1955	1ST 55 GAL. SALE OF ACRYLIC ACID	SP	P
1955	1ST 55 GAL. SALE OF GLUTARALDEHYDE	SP	P
1955	1ST 55 GAL. SALE OF N-HEXYL AMINE	SP	P
1955	1ST 55 GAL. SALE OF ISOCTOIC ACID	SP	P
1955	1ST 55 GAL. SALE OF METHACROLEIN	SP	P
1955	1ST 55 GAL. SALE OF PYRIDINE	SP	P
1955	1ST 55 GAL. SALE OF P-TERT-BUTYL PHENOL	SP	P
1955	1ST 55 GAL. SALE OF TRIDECYL ALCOHOL	SP	P
1955	1ST COMMERCIAL PRODUCTION IN US OF DI (2-ETHYLHEXYL) PHOSPHORIC ACID	SP	P

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1955	1ST COMMERCIAL PRODUCTION IN US OF DIOXOLANE	SP	P
1955	1ST COMMERCIAL PRODUCTION IN US OF ETHYLBUTYL ETHYLHEXYL SILICATE	SP	P
1955	1ST COMMERCIAL PRODUCTION IN US OF ETHOXYDIHYDROPYRAN	SP	P
1955	1ST COMMERCIAL PRODUCTION IN US OF N-ETHYL MORPHOLINE	SP	P
1955	1ST COMMERCIAL PRODUCTION IN US OF DIHYDROXYETHYL DIETHYLENE TRIAMINE	OX	P
1955	1ST COMMERCIAL PRODUCTION IN US OF TERGITOL" EH	OX	P
1955	1ST COMMERCIAL PRODUCTION IN US OF NIAx" TRIOL 230	OX	P
1955	1ST COMMERCIAL PRODUCTION IN US OF N-METHYL BUTYL AMINE	SP	P
1955	1ST COMMERCIAL PRODUCTION IN US OF MIXED PENTANALS	SP	P
1955	COMPOUND #7744 (SEVIN) RECEIVES EXPERIMENTAL LABEL FOR TRIALS ON APPLES	AG	M
1955	SEVIN" TEST MARKETED	AG	P
1955	MAJOR NEW PETROCHEMICAL PLANT BUILT AT SEADRIFT	GE	F
1955	RESEARCH & ENGINEERING CENTER AT SO. CHARLESTON BUILT	GE	F
1955	SEADRIFT & TEXAS CITY POLYETHYLENE UNITS ON STREAM	HP	F
1955	UCC LICENSED PHILLIPS CATALYST PATENTS & PROCESS DESIGNS	LP	M
1955	OXO UNIT USING TUBULAR REACTORS STARTED UP AT TEXAS CITY	SO	F
1955	UNION CARBIDE NUCLEAR CO. ESTABLISHED	NU	M
1955	SISTERSVILLE SILICONE PLANT STARTED UP	SI	F
1956	1ST 55 GAL. SALE OF BUTYL GLYCIDYL ETHER	SP	P
1956	1ST 55 GAL. SALE OF "CELLOSIZ" WP-4000	OX	P
1956	1ST 55 GAL. SALE OF DIALLYL AMINE	SP	P
1956	1ST 55 GAL. SALE OF "FLEXOL" 380	VP	P
1956	1ST COMMERCIAL PRODUCTION IN US OF AMINOETHYL HYDROGEN SULFATE	SP	P
1956	1ST COMMERCIAL PRODUCTION IN US OF HYDROXYETHYL PIPERAZINE	SP	P
1956	1ST COMMERCIAL PRODUCTION IN US OF METHYL PENTANOIC ACID	SP	P
1956	1ST COMMERCIAL PRODUCTION IN US OF N-PENTALDEHYDE	SP	P
1956	1ST COMMERCIAL PRODUCTION IN US OF N-METHYL PIPERAZINE	SP	P
1956	1ST COMMERCIAL PRODUCTION IN US OF TRI ISOOCTYL AMINE	SP	P
1956	UNION CARBIDE OLEFINS CO. ESTABLISHED	GE	M
1956	UNION CARBIDE SILICONE DIVISION ESTABLISHED IN JANUARY	GE	M
1956	VISKING CO. FORMED IN JANUARY	GE	M
1956	GAS-PHASE POLYMERIZATION OF STYRENE - ZIEGER/NATTA CAT - FARNHAM, STAMPA	LP	M
1956	CONCEPTION OF GAS FLUIDIZED-BED POLIMERIZATION OF OLEFINS (DAVISON)	LP	M
1956	UNION CARBIDE CHEMICALS CO. ESTABLISHED	GE	M
1956	MAJOR NEW PETROCHEMICAL PLANT BUILT AT TORRANCE	GE	F
1956	TORRANCE PLANT AT STARTUP REQUIRED TO MEET AIR & WATER STANDARDS	HS	F
1956	SO. CHARLESTON PLANT & CITY OF SO. CHARLESTON PLAN JOINT WASTE TREATMENT	HS	F
1956	MAJOR NEW SILICONE PLANT BUILT AT SISTERSVILLE	GE	F
1956	POLYETHYLENE FILM BECOMES POPULAR IN AG AS MULCH	AG	M
1956	COAL HYDROGENATION DEMONSTRATION UNIT AT INSTITUTE SHUT DOWN	CH	F
1956	TORRENCE CA PLANT ON STREAM	GE	F
1956	POLYETHYLENE & CHEMICALS PLANT BUILT IN BOMBAY , INDIA	GE	F
1956	TORRANCE POLYETHYLENE UNIT ON STREAM	HP	F
1956	POLYETHYLENE PLANTS BUILT AT CUBATOA, BRAZIL	HP	F
1956	POLYETHYLENE PLANTS BUILT AT GRANGEMOUTH, SCOTLAND	HP	F
1956	UCC INVENTS HI-YIELD TETRAPHENYL TIN/ALCl ₃ /VCl ₄ ("C") CATALYST	LP	M
1956	OLEFINS UNIT NO. 1 STARTED UP AT TORRANCE	OL1	F
1956	NEW ETHYLENE OXIDE UNIT BUILT AT TORRANCE	OX	F
1956	NEW ETHYLENE OXIDE UNIT BUILT AT PONCE	OX	F
1956	375 EPOXIDES HAD BEEN SYNTHESIZED IN LAB BY 1956, MANY OF WHICH WERE NEW	SO	P
1956	SOME VINYL RESINS ADAPTED TO SPRAY DRYING	VP	M
1956	"VINYLITE" CHANGED TO "BAKELITE VINYL RESINS"	VP	M
1957	1ST 55 GAL. SALE OF CALCIUM PROPIONATE	SP	P
1957	1ST 55 GAL. SALE OF DIBUTYL TIN DICHLORIDE	VP	P
1957	1ST 55 GAL. SALE OF DIMETHYL MORPHOLINE	SP	P
1957	1ST 55 GAL. SALE OF DI-N-PROPYL AMINE	SP	P
1957	1ST 55 GAL. SALE OF N-PROPYL AMINE	SP	P
1957	1ST 55 GAL. SALE OF SODIUM PROPIONATE	SP	P
1957	1ST 55 GAL. SALE OF TETRAHYDROBENZALDEHYDE	SP	P
1957	1ST 55 GAL. SALE OF VALERIC ACID	SP	P

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1957	1ST COMMERCIAL PRODUCTION IN US OF AMINO-BIS-PROPYL AMINE	SP	P
1957	1ST COMMERCIAL PRODUCTION IN US OF AMINOETHYL PIPERAZINE	SP	P
1957	1ST COMMERCIAL PRODUCTION IN US OF TRIETHOXY BUTANE	SP	P
1957	1ST COMMERCIAL PRODUCTION IN US OF "UNOX" EPOXIDE 201 & 205	SP	P
1957	1ST COMMERCIAL PRODUCTION IN US OF ISODECANOIC ACID	SP	P
1957	VISKING CORP. ACQUIRED VIA STOCK TRANSFER IN DECEMBER	GE	M
1957	1ST COMMERCIAL PRODUCTION IN US OF METHYL BUTANOL	SP	P
1957	1ST COMMERCIAL PRODUCTION IN US OF 2-METHYL-2-ETHYL DIOXOLANE	SP	P
1957	1ST SALE NEW MOLECULE OR MIX OF "NIAx" TRIOLS LH2 SERIES	OX	P
1957	1ST SALE NEW MOLECULE OR MIX OF POLYGLYCOL DIAMINE H-221	SP	P
1957	MED FLY ATTRACTANT PRODUCED FOR USDA (ISOPROPYL ESTER OF 6 METHYL 3 CYCLOHEXENE-1-CARBOXYLIC ACID)	AG	P
1957	OXO UNIT USING TUBULAR REACTORS STARTED UP AT SEADRIFT	SO	F
1957	OXO UNIT USING TUBULAR REACTORS STARTED UP AT PONCE	SO	F
1957	"MYLONE" INTRODUCED AS SOIL FUMIGANT	AG	P
1957	1ST TON OF "SEVIN" PRODUCED AT NIAGRA FALLS SITE	AG	P
1957	POLYOX" SEED TAPE INTRODUCED	AG	P
1957	PILOT PRODUCTION OF LATEXES BEGUN IN 500 GAL. REACTOR AT SO. CHARLESTON	EP	F
1957	UNION CARBIDE AND CARBON CORP. RENAMED UNION CARBIDE CORP.	GE	M
1957	WHITING POLYETHYLENE UNIT ON STREAM	HP	F
1957	STARTED OPERATION ZIEGLER PLANT FOR HDPE USING UCC DEVELOPED PROCESS	LP	F
1957	FIRST GENERATION SOLUTION PROCESS FOR FIBER-GRADE POLYPROPYLENE DEVELOPED	LP	P
1957	ATTRACTIVE OUTLET FOR SILICONES DEVELOPED IN URETHANE FOAM MANUFACTURER	SI	M
1957	NEW ETHYLENE OXIDE UNIT BUILT AT HYTHE, GREAT BRITAIN	OX	F
1957	1ST PRODUCTION OF POLYOX (FINE CHEMICALS UNIT AT SO. CHARLESTON)	OX	P
1957	MORE DIRECT ROUTE TO ACRYLONITRILE DEVELOPED	OX	P
1958	1ST USABLE COMMERCIAL PRODUCTION OF POLYOX WATER SOLUBLE RESIN 35	OX	P
1958	1ST 55 GAL. SALE OF BUTYLENE OXIDE	SP	P
1958	1ST 55 GAL. SALE OF BUTYLENE CHLORHYDRIN	SP	P
1958	1ST 55 GAL. SALE OF 1,3-DIAMINOPROPANE	SP	P
1958	1ST 55 GAL. SALE OF DIETHYLCYCLOHEXENE	SP	P
1958	1ST 55 GAL. SALE OF METHACRYLONITRILE	SP	P
1958	1ST 55 GAL. SALE OF METHYL AMINOPROPYL AMINE	SP	P
1958	1ST 55 GAL. SALE OF NONYL PHENOL	SP	P
1958	1ST 55 GAL. SALE OF THIOXANE	SP	P
1958	1ST 55 GAL. SALE OF 1,2,3-TTRICHLOROPROPANE	SP	P
1958	1ST COMMERCIAL PRODUCTION IN US OF METHYL PROPYL PROPANEDIOL	SP	P
1958	1ST COMMERCIAL PRODUCTION IN US OF CYANOETHOXYETHYL ACRYLATE	SP	P
1958	1ST COMMERCIAL PRODUCTION IN US OF DIPROPYLENE TRIAMINE	SP	P
1958	1ST COMMERCIAL PRODUCTION IN US OF "NIAx" TRIOL LK-380	OX	P
1958	1ST COMMERCIAL PRODUCTION IN US OF POTASSIUM SORBATE	SP	P
1958	1ST COMMERCIAL PRODUCTION IN US OFN,N,N',N'-TETRAMETHYL-1,3-BUTANE DIAMINE	SP	P
1958	1ST COMMERCIAL PRODUCTION IN US OF 1,1,3-TRIMETHOXY BUTANE	SP	P
1958	1ST COMMERCIAL PRODUCTION IN US OF VISCOSITY INDEX IMPROVER D-120	SP	P
1958	1ST SALE NEW MOLECULE OR MIX OF 'NIAx" TRIOL LHT-34 & 56	OX	P
1958	1ST SALE NEW MOLECULE OR MIX OF "POLYOX" WATER SOLUBLE RESIN 35	OX	P
1958	CHEMICAL HYGIENE FELLOWSHIPS "PRINCIPLE OF TOXICOLOGICAL INSIGNIFICANCE"	MI	M
1958	GAINED GENERAL ACCEPTANCE	MI	M
1958	COMMERCIAL PRODUCTION OF "SEVIN" STARTED	AG	P
1958	PATENT APPLIC. FOR INSECTICIDE SEVIN ~'59-2,903,478	AG	P
1958	TEXAS CITY PLANT PROVIDED NATURAL BIO TREATMENT OF WASTE IN SERIES OF LAGOONS	HS	F
1958	PRESSURIZED FLUIDIZED BED BURNER FOR COAL PILOT PLANT AT INSTITUTE	CH	M
1958	STABLE POLYVINYLACETATE LATEX DEVELOPED	EP	P
1958	MAJOR ADDITIONS (RESEARCH, ENGINEERING & DEVELOPEMENT) TO TECH CENTER	GE	F
1958	BROWNSVILLE PLANT PURCHASED	GE	F
1958	CHEMICAL PLANT BUILT AT PONCE, PR	GE	F
1958	STARTED-UP PHILLIPS SOLUTION PROCESS PLANT	LP	F
1958	FIBERGLASS SIZING 1ST MAJOR SILICONE USE	SI	P
1958	INTRODUCED TERGITOL NP-44	OX	P
1959	INTRODUCED TERGITOL TMN-19	OX	P

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1959	INTRODUCED TERGITOL E-35	OX	P
1959	1ST 55 GAL. SALE OF STYRENE OXIDE	SP	P
1959	1ST 55 GAL. SALE OF BUTYLENE OXIDE	SP	P
1959	1ST 55 GAL. SALE OF 3-AMINO PROPANOL	SP	P
1959	1ST 55 GAL. SALE OF BUTYLENE GLYCOL	SP	P
1959	1ST 55 GAL. SALE OF 2-CYANOETHYL ACRYLATE	SP	P
1959	1ST 55 GAL. SALE OF ETHYL BUTYL AMINE	SP	P
1959	1ST 55 GAL. SALE OF PLASTICIZER EPO	SP	P
1959	1ST 55 GAL. SALE OF N-GLYCIDYL DIETHYLAMINE	SP	P
1959	1ST 55 GAL. SALE OF ISOBUTYLNITRILE	SP	P
1959	1ST 55 GAL. SALE OF ISOHEXANOL	SP	P
1959	1ST 55 GAL. SALE OF ISOPENTANOIC ACID	SP	P
1959	1ST COMMERCIAL PRODUCTION IN US OF EPSILON-CAPROLACTONE	SP	P
1959	1ST COMMERCIAL PRODUCTION IN US OF TETRACHLORPROPANE	SP	P
1959	1ST COMMERCIAL PRODUCTION IN US OF "NIAX" TRIOL LHT-28	OX	P
1959	1ST COMMERCIAL PRODUCTION IN US OF 2-METHYL-2-ETHYL-1,3-PROPANEDIOL	SP	P
1959	1ST COMMERCIAL PRODUCTION IN US OF "UNOX" EPOXIDE 206 & 207	SP	P
1959	1ST COMMERCIAL PRODUCTION IN US OF "SEVIN" INSECTICIDE	AG	P
1959	AG CHEM RESEARCH AT CLAYTON NC IN OPERATION	AG	F
1959	SO. CHARLESTON & INSTITUTE PLAN FOR 40% BOD REDUCTION BY 1963	HS	M
1959	COAL HYDROCARBONIZATION RESEARCH INITIATED	CH	M
1959	NEW CUSTOMER SERVICE CENTER AND RESEARCH FACILITY BUILT AT TARRYTOWN	GE	F
1959	CHEMICAL HYGIENE FELLOWSHIP MOVED TO BUSHY RUN	HS	M
1959	TEXAS CITY WASTE TREATMENT LAGOONS BUILT	HS	F
1959	ORIGINAL PONCE, PUERTO RICO PLANT STARTED UP	GE	F
1959	150 POLYETHYLENE PRODUCTS SOLD	HP	P
1959	OLEFINS UNIT NO. 1 STARTED UP AT PONCE	OL2	F
1959	PERACETIC ACID FACILITIES BUILT AT INSTITUTE WV	SP	F

GROWING PAINS (1960 to 1970)

1960	1ST 55 GAL. SALE OF N-BUTYRONITRILE	SP	P
1960	1ST 55 GAL. SALE OF "CELLOSOLVE" ACRYLATE	SP	P
1960	1ST 55 GAL. SALE OF EPOXIDIZED OLEATE	SP	P
1960	1ST 55 GAL. SALE OF FLEXOL" EP-6 & EP-8	VP	P
1960	1ST 55 GAL. SALE OF HEPANOL-2	SP	P
1960	1ST 55 GAL. SALE OF BISPHENOL-A	SP	P
1960	1ST 55 GAL. SALE OF ISOBUTYL "CELLOSOLVE"	OX	P
1960	1ST 55 GAL. SALE OF "UCON" PROPELLANT 11	SP	P
1960	1ST COMMERCIAL PRODUCTION IN US OF "UNOX" EPOXIDE 269 & 2061	SP	P
1960	1ST COMMERCIAL PRODUCTION IN US OF "UNOX" POLYEPOXIDE S-71	SP	P
1960	1ST COMMERCIAL PRODUCTION IN US OF HEXYL ETHYL "CARBITOL"	OX	P
1960	1ST COMMERCIAL PRODUCTION IN US OF 2-MERCAPTOPROPANOL	SP	P
1960	1ST COMMERCIAL PRODUCTION IN US OF "UCON" DIESTER JL-6		SP P
1960	1ST SALE NEW MOLECULE OR MIX OF "NIAx" HEXOL LS-490	OX	P
1960	1ST SALE NEW MOLECULE OR MIX OF "NIAx" PENTOLS LA-475 & 700	OX	P
1960	INTRODUCED TERGITOL NONIONIC 12-M-10	OX	P
1960	INTRODUCED TERGITOL NONIONIC 12-P-6	OX	P
1960	INTRODUCED TERGITOL NP-33	OX	P
1960	MAJOR NEW PETROCHEMICAL PLANT BUILT AT BROWNSVILLE	GE	F
1960	"SEVIN" UNIT AT INSTITUTE PLANT ON STREAM	AG	F
1960	POLYVINYLAETATE LATEX "TAKES OFF" IN READY-MIX TAPE JOINT COMPOUND	EP	P
1960	NEW 52 STORY CORPORATE OFFICE AT 270 PARK AVE. NYC COMPLETED & OCCUPIED	GE	F
1960	1000 GAL. REACTOR AT SO. CHARLESTON RETROFITED FOR LATEX MANUFACTURE	EP	F
1960	DECISION TO FORWARD INTEGRATE INTO THE LATEX BUSINESS MADE	EP	M
1960	CORPORATION HAS 28 MODERN RESEARCH LABORATORIES	GE	F
1960	DEVELOPED ZIEGLER CATALYZED SOLUTION PROCESS FOR MED.- & HIGH-DENSITY PE	LP	P
1960	HIGH-YIELD TIC4/SiO2 CALALYSTS PATENTED BY CABOT	LP	M
1960	HIGH-YIELD CATALYST DEVELOPED BY PHILLIPS FOR PARTICLE-FORM PROCESS	LP	M
1960	ETHANOL UNIT (DIRECT HYDRATION OF ETHYLENE) STARTED AT TEXAS CITY	SO	F
1960	ETHANOL UNIT AT WHITING SHUT DOWN	SO	F
1960	METHANOL UNIT AT SO. CHARLESTON SHUT DOWN	SO	F
1960	PERACETIC ACID UNIT AT INSTITUTE BEGAN OPERATION	SO	F
1960	VYNV VINYL RESINS FACILITIES USED FOR INTERIM PRODUCTION OF SEVIN	VP	M
1961	1ST CARLOAD "SEVIN" SHIPPED FROM NEW INSTITUTE UNIT	AG	P
1961	EGYPTIAN AIRLIFT OF "SEVIN" (150 AIRCRAFT)	AG	P
1961	US PATENT 3.009.886 RECEIVED FOR SEVIN	AG	P
1961	BROWNSVILLE TX PLANT PRODUCTION STARTED	GE	F
1961	HI-YIELD PIBOAO/CHROMIUM 2-ETHYLHEXANOATE ("E") CAT DEVELOPED BY WILSON (UCC)	LP	M
1961	PROTOTYPE WULFF REGENERATIVE FURNACE STARTED AT INSTITUTE WV	OL1	F
1961	PATENT APPLIC. ORGANOSILOXANE-SILICATE COPOLYMERS ~'67-3,337,496	SI	P
1961	BUTANE OXIDATION FACILITIES STARED UP AT BROWNSVILLE	SO	F
1961	ACRYLONITRILE PRODUCTION TERMINATED	OX	F
1961	OLEFINS 2 STARTED AT SEADRIFT	OL2	F
1961	OLEFINS 1 STARTED AT TAFT	OL2	F
1961	5 MW NUCLEAR REACTOR BUILT FOR RESEARCH AND RADIOISOTOPE PRODUCTION	NU	F
1962	RIGID POLYOLS UNIT AT INSTITUTE STARTED UP	OX	F
1962	C&P RESEARCH DEPT. ASSUMED ADMINISTRATION OF THE CHEMICAL HYGIENE	MI	M
1962	FELLOWSHIP AT MELLON	MI	M
1962	NEW MIC PROCESS FOR "SEVIN" STARTED AT INSTITUTE PLANT	AG	F
1962	COAL HYDROGENATION ABANDONED	CH	F
1962	COAL HYDROCARBONIZATION PILOT PLANT AT INSTITUTE STARTED UP	CH	M
1962	INSTITUTE PLANT USES GAS CHROMATOGRAPHY FOR WASTEWATER ANALYSIS	HS	M
1962	UCC INVENTED HIGH-YIELD CARRICK CATALYST, SILYLCHROMATE/SiO2	LP	M
1962	STARTED-UP PHILLIPS PARTICLE-FORM PROCESS AT SEADRIFT, 25MMPPY	LP	F
1962	BASF DISCLOSED GAS-PHASE PROCESS WITH PHILLIPS CATALYST	LP	M
1962	BENCH SCALE POLYETHYLENE FLUIDIZED-BED STUDY STARTED WITH "E" CATALYST	LP	P
1962	OLEFINS UNIT NO. 2 STARTED UP AT SEADRIFT (440 MMPPY)	OL2	F
1962	SUSPENSION VINYL RESIN UNIT AT TEXAS CITY STARTED UP	VP	F

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1963	"SIRMATE" (HERBICIDE) SYNTHESIZED	AG	P
1963	"DESSIN" AND "TRANID" (AG CHEMICALS) IN PRODUCT DEVELOPMENT PHASE	AG	P
1963	UCC ACQUIRES E-Z FLO CHEMICAL, LANSING MICHIGAN - AG CHEM DISTRIBUTOR	AG	F
1963	UCC ACQUIRES TAYLOR CHEMICAL, ABERDEEN, NC - AG CHEM DISTRIBUTOR	AG	F
1963	UCC ACQUIRES TIDE PRODUCTS, EDINBURG, TX - AG CHEM & FERTILIZER DISTRIB.	AG	F
1963	UCC ACQUIRES SOIL SERV, SALINAS, CA - PESTICIDE DISTRIBUTOR & APPLICATOR	AG	F
1963	"TEMIK" (SYSTEMIC INSECTICIDE) SYNTHESIZED	AG	P
1963	2700 T/D COAL HYDROCARBONIZATION PROJECT TERMINATED	CO	F
1963	FIRST LATEX PLANT PLACED IN OPERATION	EP	F
1963	KANAWHA VALLEY PLANTS INSTALL WASTEWATER TREATMENT SYSTEMS	HS	F
1963	OVER 1000 DIFFERENT PLASTIC FORMULATIONS OF 7 BASIC TYPES SOLD	GE	M
1963	MORE THAN 400 DIFFERENT SYNTHETIC ORGANICS SOLD	GE	M
1963	CHEMICALS DIVISION FORMED	GE	M
1963	PLASTICS DIVISION FORMED	GE	M
1963	1ST COMPANY TO PRODUCE 1 BILLION POUNDS OF POLYETHYLENE PER YEAR	GE	P
1963	DIVESTITURE OF 3 POLYETHYLENE FILM PLANTS TO ETHYL	HP	F
1963	POLYETHYLENE FILM PLANT STARTED IN OTTAWA IL (MOTIVATED BY GLAD)	HP	F
1963	POLYETHYLENE FILM PLANT STARTED IN WAYNE NJ (MOTIVATED BY GLAD)	HP	F
1963	SHUT DOWN ZIEGLER POLYETHYLENE PLANT	LP	F
1963	HIGH-YIELD CARRICK CHROMOCENE CATALYST INVENTED AT UCC	LP	M
1963	STARTED LARGE NEW CELLOSIZING UNIT AT INSTITUTE, WV	OX	F
1963	TOLYLENE DIISOCYANATE UNIT INSTALLED AT INSTITUTE	OX	F
1963	NIAGARA UNIT CELLOSIZING UNIT SHUT DOWN	OX	F
1963	ROCKET PROPULSION PROGRAM INITIATED TEST FIRING OF "CARBITRON" 141 GRAINS	RP	M
1963	ABOUT 100 DIFFERENT SILICONE PRODUCT SOLD	SI	M
1963	VYNV VINYL RESINS SYSTEMS SHUT DOWN - EXPANSION OF QYNV BEGUN	VP	F
1964	CHEMICALS & PLASTIC GROUP I FORMED	GE	M
1964	CARBON PRODUCTS, GASES AND METALS GROUP II FORMED	GE	M
1964	CONSUMERS AND RELATED PRODUCTS GROUP III FORMED	GE	M
1964	INTERNATIONAL GROUP IIII FORMED	GE	M
1964	OLEFINS & CHEMICALS ENGINEERING GROUPS COMBINED UNDER ONE VP	GE	M
1964	VALLEY AG (AN AG CHEM DISTRIBUTOR IN CALIFORNIA) ACQUIRED	AG	F
1964	OLD SUSPENSION PVC UNIT AT SO. CHARLESTON REBUILT FOR LATEX MANUFACTURE	EP	F
1964	UCC COMMERCIALIZED SILYL CHROMATE/ & CHROMOCENE/SiO2 CATS IN PHILLIPS PF PLT.	LP	M
1964	BENCH-SCALE STUDY OF CARRICK PE CATALYST SILYL CHROMATE/SILICA/AIR3	LP	M
1964	ETHYLENE/PROPYLENE LOW-DENSITY PEMADE IN BENCH-SCALE REACTOR (WILSON CAT)	LP	P
1964	300 MPPY-STYRENE UNIT COMPLETED AT SEADRIFT	SP	F
1965	CABAMATE PLANT EXPANSION (USING MIC) COMPLETED AT INSTITUTE WV	AG	F
1965	C&P ENGINEERING DEPARTMENT ESTABLISHES POLLUTION ABATEMENT GROUP	HS	M
1965	INSTITUTE PLANT DESIGNS MODERN LANDFILL FOR CHEMICAL WASTES	HS	F
1965	UCCL STARTED-UP "E" SLURRY PLANT AT MONTREAL EAST, 20MMPPY	LP	F
1965	SILICONE WORK TRANSFERED FROM LINDE TO TARRYTOWN	SI	M
1965	BUTANE OXIDATION PLANT NO. 2 STARTED UP AT BROWNSVILLE	SO	F
1965	PERACETIC ACID UNIT AT INSTITUTE EXPANDED	SO	F
1965	ABS PLASTICS UNIT COMPLETED AT BOUNDBROOK NJ	SP	F
1965	POLYSULFONE & PARYLENE ATTAIN COMMERCIAL STATUS	SP	P
1965	SUSPENSION VINYL RESIN UNIT AT TEXAS CITY EXPANDED	VP	F
1966	AG PRODUCTS UNDER DEVELOPMENT ("TRANID,SIRMATE,DESBIN,TEMIK")	AG	P
1966	JENNAT LATEX FACILITY IN GARDENA CA ACQUIRED	EP	F
1966	1ST UNITS AT TAFT LA PLANT WENT ON STREAM	GE	F
1966	ETHYLENE/VINYL ACETATE PLASTICS INTRODUCED	HP	P
1966	HIGH-YIELD Mg/Ti CHLORIDES/MgOH CATALYST PATENTED BY SOLVAY	LP	M
1966	START-UP OF HDPE FLUID-BED PILOT PLANT WITH SILYL CHROMATE/SILICA/AIR3 CAT	LP	P
1966	CUMENE UNIT INSTALLED AT BOUND BROOK	SO	F
1966	AMMONIA UNIT BUILT AT TEXAS CITY	SO	F
1967	MUNOZ ORGANIZES AN AG CHEM DIVISION OF UCIL IN INDIA	AG	M
1967	MIC SHIPPED BY PUBLIC CARRIER (SPECIAL CONTAINERS)	AG	P
1967	UCC&P ENVIRONMENTAL POLLUTION CONTROL TEAM FORMED	HS	M
1967	MELLON INST. MERGED WITH CARNAGIE TO FORM CARNAGIE-MELLON UNIVERSITY	GE	M
1967	SILICONE DIVISION INTEGRATED INTO GROUP 1	GE	M

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1967	DIVESTITUE OF EUROPEAN PLANTS & LABS (BRITISH PETROLEUM)	GE F
1967	MELLON MERGED WITH CARNEGIE TO FORM CARNEGIE-MELLON UNIVERSITY	MI M
1967	TAFT OLEFINS UNIT NO. 1 STARTED UP	OL2 F
1967	SEADRIFT OLEFINS UNIT NO.2 INCREASED TO 740 MMPPY.	OL2 F
1967	NEW ETHYLENE OXIDE UNIT BUILT AT TAFT	OX F
1967	PERACETIC ACID UNIT AT TAFT BEGAN OPERATION	SO F
1967	CAPROLACTONE AND CAPROLACTAM UNITS BUILT AT TAFT PLANT	SO F
1967	PERACETIC UNIT AT TAFT LA ON STREAM	SP F
1967	VINYL CHLORIDE PRODUCTION TERMINATED AT SO. CHARLESTON & TEXAS CITY	VP F
1968	UCC ACQUIRES LA LITTORALE, A FRENCH FORMULATED PESTICIDE COMPANY	AG F
1968	CONTRACT WITH THIOKOL ROCKET FUEL PLANT IN WOODBINE GA TO PRODUCE TEMIK	AG M
1968	HIGH-YIELD $TiCl_4/MgOHCl$ CATALYST PATENTED BY HOECHST	LP M
1968	PLANT-SCALE PE FLUID-BED REACTOR USING SILYL CHROMATE/SILICA/AIR3 ON STREAM	LP F
1968	ETHYLENE/PROPYLENE LDPE MADE BENCH-SCALE WITH CHROMOCENE/SILICA CAT	LP P
1968	S.C.NO. 2 OLEFINS SHUT DOWN AFTER 40 YEARS OF SERVICE	OL1 F
1968	OLEFINS UNIT NO. 3 STARTED UP AT TEXAS CITY	OL2 F
1968	ETHYLENE OXIDE & DERIVATIVES PLANT DEDICATED AT ANTWERP, BELGIUM	OX F
1968	EXPLOSION IN PERACETIC ACID UNIT AT TAFT	SO M
1968	CAPROLACTONE UNIT AT TAFT REBUILT	SO F
1968	CAPROLACTAM UNIT AT TAFT TERMINATED	SO F
1968	ACRYLIC ACID & ACRYLIC ESTERS UNITS ON STREAM AT TAFT (ACROLEIN)	SO F
1968	SYNTHESIS VINYL ACETATE UNIT BUILT IN SO. CHARLESTON	VP F
1969	UNOX WASTEWATER TREATMENT INTRODUCED	HS P
1969	UCC&P CENTRAL SAFETY GROUP FORMED	HS M
1969	LINDE MARKETS "UNOX" SYSTEM	HS P
1969	C&P OPERATIONAL SAFETY SURVEY PROGRAM INITIATED	HS M
1969	DECISION NOT TO PURSUE SILICONE RTVS 7 RESINS	SI P
1969	ACRYLATES UNIT (WOLDS LARGEST) ON STREAM AT TAFT LA	SP F
1969	LARGE SCALE POLYOX UNIT STARTED UP	OX F

ENERGY CRISES AND INFLATION (1970 to 1980)

1970	GROWERS SERVICE CO. , LANSING, MICHIGAN SOLD TO KIRSCO CO.	AG	M
1970	INSECTICIDE SEVIN NOW REGISTERED TO CONTROL 160 INSECTS ON 90 CROPS	AG	M
1970	TEMIK" CLEARED FOR USE AND PRODUCED AT INSTITUTE	AG	P
1970	FIRST PIPELINE SUPPLY OF LATEX STARTED - TORRENCE PLANT TO MAJOR PAINT	EP	M
1970	CLEAN AIR ACT AMENDMENTS	HS	M
1970	OCCUPATIONAL SAFETY AND HEALTH ACT	HS	M
1970	HIGH DENSITY / LOW PRESSURE POLYETHYLENE COMMERCIALIZED	LP	P
1970	COMPLETE HIGH DENSITY POLYETHYLENE PRODUCT MIX COMMERCIALY DEMONSTRATED	LP	P
1970	LICENSED TWO 30,000 MT/YR FLUIDIZED-BED PE PLANTS OVERSEAS (UNIFOS & UCAL)	LP	M
1970	STARTED CATALYST R&D FOR LOW & MEDIUM DENSITY POLYETHYLENE PRODUCTS	LP	P
1970	SEADRIFT OLEFINS UNIT NO. 2 INCREASED TO 820 MMPPY	OL2	F
1970	SUSPENSION VINYL RESIN UNIT AT TEXAS CITY EXPANDED AGAIN	VP	F
1971	ALSIP LATEX PLANT (TWO 3000 GAL. REACTORS) STARTED UP	EP	F
1971	C&P INITIATES ENVIRONMENTAL IMPACT ANALYSIS SYSTEM	HS	M
1971	NEW PETROLEUM PLANT AT PONCE, PUERTO RICO ON STREAM	GE	F
1971	STARTED BENCH-SCALE WORK ON VOCl3/SILICA CAT FOR LOW & MEDIUM DENSITY PE	LP	P
1971	NO. 3 OLEFINS AT SOUTH CHARLESTON SHUT DOWN	OL1	F
1972	AG CHEM CLAYTON, NC RESEARCH STATION SHUT DOWN	AG	M
1972	CLEAN WATER ACT AMENDMENTS	HS	M
1972	PONCE PLANT MAJOR EXPANSION STARTS UP	GE	F
1972	SHUT DOWN PHILLIPS SOLUTION PLANT	LP	F
1972	STARTED PILOT PLANT WORK ON VOCl3/SILICA CAT FOR LOW & MEDIUM DENSITY PE	LP	P
1972	NO. 1 OLEFINS AT INSTITUTE SHUT DOWN	OL1	F
1972	PONCE OLEFINS UNIT NO. 2 STARTED UP	OL2	F
1972	PONCE OLEFINS UNIT NO. 1 SHUT DOWN	OL2	F
1972	SEADRIFT OLEFINS UNIT NO. 1 EXPANDED TO 420 MMPPY	OL2	F
1972	CUMENE UNIT INSTALLED ATPONCE	SO	F
1972	METHANOL UNIT AT TEXAS CITY SHUT DOWN	SO	F
1972	NEW LICENSED CATALYST SYSTEMS SIGNIFICANTLY IMPROVE ACRYLATES AT TAFT	SO	M
1972	VINYL ACETATE PLANT BUILT AT TEXAS CITY	VP	F
1972	PRICE OF CRUDE OIL AT \$2 PER BARREL	GE	M
1973	GARLAND TX LATEX PLANT STARTED UP	EP	F
1973	SOMERSET NJ LATEX PLANT STARTED UP	EP	F
1973	UCC&P SHARE GROUP FORMED	HS	M
1973	NEW CELLOSIZING UNIT BUILT AT INSTITUTE - NIAGRA FALLS UNIT SHUT DOWN	OX	F
1973	NEW CELLOSIZING UNIT STARTED IN ANTWERP	OX	F
1973	KIRKPATRICK AWARD TO CARBIDE FOR HDPE GAS PHASE PROCESS	GE	M
1973	"ENERGY CRISIS" BEGINS	GE	M
1973	FUNDING APPROVED FOR "JUMBO"(200 MM LB/YR) PE FLUID-BED UNIT AT SEADRIFT	LP	F
1973	STARTED PILOT PLANT TESTS OF MODIFIED CrO CAT FOR LOW & MEDIUM DENSITY PE	LP	P
1973	CELLSIZING UNIT STARTED UP AT ANTWERP, BELGIUM	OX	F
1973	BRAZIL PLANT WULFF PROCESS UNIT SHUT DOWN	OL2	F
1973	LOW PRESSURE OXO PILOT PLANT OPERATED AT PONCE	SO	F
1973	PRICE OF CRUDE OIL AT \$7 PER BARREL	GE	M
1974	DECISION TO BUILD "SEVIN" PLANT IN INDIA	AG	M
1974	AG CHEM PURCHASES WOODBINE FACILITY	AG	F
1978	FLEXOL PLASTICIZER 3GH REPLACED BY DOP IN VINYLs	OX	P
1974	WITHDREW FROM PHTHALATE PLASTICIZER & EPOXY RESIN BUSINESS	EP	P
1974	STARTED UP "JUMBO"(200 MM LB/YR) PE FLUID-BED UNIT AT SEADRIFT	LP	F
1974	LICENSED FOUR 90,000-200,000 MT/YR FLUIDIZED-BED PE PLANTS OVERSEAS	LP	M
1974	FIRST LLDPE WITH ALL ACCEPTABLE PROPERTIES MADE IN PILOT PLANT	LP	P
1974	CHEMICAL HYGIENE FELLOWSHIP STAFF DOUBLED (TOXIC SUBST. CONTROL ACT)	MI	M
1974	WITHDREW FROM PHTHALATE PLASTICIZER & EPOXY RESIN BUSINESS	VP	P
1974	PRICE OF CRUDE OIL AT \$11 PER BARREL	GE	M
1975	INDIA INSISTS ON MIC IN PLACE OF CHLOROFORMATE FOR NEW PLANT	AG	M
1975	WHITING PLANT SHUT DOWN	GE	F
1975	NUCLEAR DIVISION HAD GROWN TO 15,000 EMPLOYEES	NU	M
1975	FIRST PLANT RUN OF LOW DENSITY PE PRODUCTS MADE AT SEADRIFT	LP	P

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1975	PILOT-SCALE DEMO OF UNIPOL PROCESS TO POLYPROPYLENE	LP	P
1975	FIRST SILICONE COUPLING AGENT WAS INVENTED (+ or - 5 yrs.)	SI	P
1975	SILICONE ANTIFREEZE ADDITIVE DEVELOPED (CARBOWAX SILANE)(+ or - 5 yrs.)	SI	P
1975	MAJOR NEW SILANE USES IN POLYOLEFINS MARKETS (+ or - 5 yrs.)	SI	P
1975	1ST COMMERCIAL LOW PRESSURE OXO PLANT STARTED AT TEXAS CITY	SO	F
1975	DYNEL RESIN UNIT AT SO. CHARLESTON SHUT DOWN	VP	F
1976	WOODBINE, NC PLANT PURCHASED FROM THIOKOL	AG	F
1976	AMCHEM DIVISION OF RORER INDUSTRIES PUSHASED	AG	F
1976	AGRICULTURAL CHEMICAL DIVISION FORMED	AG	M
1976	RESOURCE CONSERVATION AND RECOVERY ACT	HS	M
1976	GEORGE OLIVER CURME RECEIVED THE NATIONAL MEDAL OF SCIENCE	GE	M
1976	STARTED COMMERCIAL SALE OF SPECIALTY LDPE FOR EXTRUDED CABLE & PIPE	LP	P
1976	BEGAN LDPE CAT R&D PROGRAM TO MAKE COMMODITY FILM & MOLDING PRODUCTS	LP	P
1976	GULF COAST OLEFINS COMPANY FORMED	OL2	M
1976	MAJOR VINYL ACETATE UNIT BUILT AT TEXAS CITY (BAYER PROCESS)	VP	F
1976	ACETYLENE BASED VINYL ACETATE UNITS AT TEXAS CITY SHUT DOWN	VP	M
1977	TEXAS CITY NON-SOLVENT VINYL RESINS UNIT SUFFERS MAJOR EXPLOSION - THIS	VP	F
1977	LED TO THE DEMISE OF THE NON-SOLVENT PROCESS FOR UCC	VP	M
1977	BAYAMON PR LATEX PLANT GOES ON STREAM	EP	F
1977	INITIAL PERMIT DEADLINE FOR CLEAN WATER ACT	HS	M
1977	WITHDRAWAL FROM FLOROCARBONS, POLYSTYRENE & SUSPENSION VINYLs BEGUN	GE	M
1977	POLYETHYLENE - 1ST INLAND BARGING SYSTEM	LP	F
1977	LOW DENSITY / LOW PRESSURE POLYETHYLENE COMMERCIALIZED	LP	P
1977	UNIPOL POLYETHYLENE PROCESS ANNOUNCED	LP	P
1977	UCC ELECTED TO LICENSE "UNIPOL"	LP	M
1977	FIRST MAGNESIUM-TITANIUM-ELECTRON DONOR SUPPORTED CAT TESTED IN PILOT PLANT	LP	P
1977	PLANT TEST OF Mg/Ti/ED LDPE CATALYST MAKES ACCEPTABLE FILM	LP	P
1977	1ST LOW PRESSURE OXO LICENSEE - NESTE OF SWEDEN	SO	M
1977	KIRKPATRICK AWARD TO CARBIDE FOR LOW PRESSURE OXO	SO	M
1977	OXO (LOW PRESSURE) TECHNOLOGY LICENSED	SO	M
1977	SUSPENSION VINYL RESIN UNIT AT TEXAS CITY SHUT DOWN (ECONOMICS-OSHA-ETC.)	VP	F
1978	AG CHEM "LARVIN" IN FIELD DEVELOPMENT	AG	P
1978	OSHA CARCINOGEN POLICY PROPOSED	HS	M
1978	TOXIC SUBSTANCES CONTROL ACT	HS	M
1978	EUROPEAN PLANTS AND LABS SOLD TO BRITISH PETROLEUM CO. LTD.	GE	F
1978	DIVESTITURE OF MARIETTA PLANT (GULF)	GE	F
1978	OPTIMIZED Mg/Ti/ED LDPE CATALYST TESTED IN PLANT	LP	P
1978	FLEXOL PLASTICIZER 3GH REPLACED BY DOP IN VINYLs	OX	P
1978	OLEFINS UNIT NO. 2 STARTED UP AT TAFT	OL2	F
1978	DIVESTITURE OF POLYSTYRENE BUSINESS	SP	M
1978	SO. CHARLESTON VINYL ACETATE UNIT SHUT DOWN	VP	F
1979	PROPRIETARY ETHYLENE OXIDE CATALYST TECHNOLOGY INCREASED CAPACITY	OX	P
1979	SEVERAL HUNDRED MILLION POUNDS	OX	P
1979	130 ACRES PURCHASED AT RESEARCH TRIANGLE FOR AG PRODUCTS LOCATION	AG	F
1979	KIRKPATRICK AWARD TO CARBIDE FOR "UNIPOL" (LLDPE) PROCESS	LP	M
1979	UNIPOL" PROCESS TECHNOLOGY LICENSED	LP	M
1979	PRICE OF CRUDE OIL AT \$23 PER BARREL	GE	M

TRANSFORMATION (1980 to 1990s)

1980	JACQUES SEED CO. ACQUIRED	AG	F
1980	DIVESTITURE OF KEYSTONE SEED (AGRINETICS)	AG	M
1980	"TEMIK" GROUNDWATER & MELONS PROBLEMS START	AG	P
1980	SUPERFUND ACT	HS	M
1980	C&P DISSOLVED INTO 8 SEPARATE DIVISIONS	HS	M
1980	UCC ASSUMED MANAGEMENT OF "THE BUSHY RUN RESEARCH CENTER"	MI	M
1980	CONSTRUCTION STARTED AT SILICONES II AT SO. CHARLESTON	SI	F
1980	PRICE OF CRUDE OIL AT \$30 PER BARREL	GE	M
1980	5 MW NUCLEAR REACTOR SOLD TO HOFFMAN-LAROCHE	NU	F
1981	HEADQUARTERS MOVED TO DANBURY	GE	M
1981	NEW CELLOSIZING UNIT STARTED IN BRAZIL	OX	F
1981	GROWERS SERVICE CO. SOLD	AG	M
1981	TRIMETHYLCARB DEVELOPED AS SOIL INSECTICIDE	AG	P
1981	SHELL CHEMICAL COMMERCIALIZES SHAC CATALYST IN LIQUID-POOL PROCESS	LP	M
1981	HENRY F. SMYTH AWARD ESTABLISHED BY THE AM. ACADEMY OF INDUST. HYGIENISTS	MI	M
1981	TORRENCE OLEFINS UNIT SHUT DOWN	OL2	F
1981	ETHYLENE AMINES MAJOR EXPANSION AT TAFT LA	OX	F
1981	CELLSIZING UNIT STARTED UP AT ARATU, BRAZIL	OX	F
1981	DIVESTITURE OF PHENOL PLANT AT BOUNDBROOK (GEORGIA PACIFIC)	PH	F
1981	DIVESTITURE OF RESIN PLANT AT ELK GROVE (GEORGIA PACIFIC)	SP	F
1982	METHYL CARBAMATE UNIT AUTHORIZED TO PRODUCE "BROOT, STANDAK, ZECTRAN"	AG	M
1982	UCC & SHELL CHEMICAL INITIATE JOINT POLYPROPYLENE PROGRAM	LP	M
1983	SILICONES II TERMINATED	SI	F
1983	BROWNSVILLE TX PLANT SHUT DOWN	GE	F
1983	ENZYME RESISTANT CELLOSIZING HEC PRODUCTION STARTED AT INSTITUTE	OX	F
1983	INTENSE PILOT-PLANT PROGRAM TO ADAPT UNIPOL PROCESS TO SHAC CAT & PRODUCTS	LP	M
1983	COMMERCIAL TRIALS OF UNIPOL POLYPROPYLENE (SHAC CAT) AT SEADRIFT	LP	P
1983	UCC/SHELL ANNOUNCE 86,000 TPY POLYPROPYLENE PLANT & PROCESS LICENSING	LP	M
1983	OLEFINS UNIT NO. 1 SHUT DOWN AT SEADRIFT	OL1	F
1983	OLEFINS UNIT NO. 1 SHUT DOWN AT TORRANCE	OL1	F
1983	PRODUCTION OF ENZYME-RESISTANT CELLOSIZING STARTED AT INSTITUTE, WV	OX	P
1983	GLYCOL PLANT (500M) COMPLETED AT PRENTISS, ALBERTA, CANADA	OX	F
1983	THE TANKER "CHEMICAL PIONEER" LAUNCHED	GE	M
1983	BUTANE OXIDATION PLANT AT BROWNSVILLE TERMINATED	SO	F
1984	BHOPAL TRAGEDY 12/3/84	AG	M
1984	RCRA AMENDMENTS	HS	M
1984	1ST UNIPOL POLYPROPYLENE UNIT BUILT AT SEADRIFT, TX	GE	F
1984	UCC/SHELL POLYPROPYLENE PLANT ON STREAM	LP	F
1984	UCC CONTRACT OPERATION OF GOVERNMENT NUCLEAR PROGRAM TERMINATED	NU	M
1984	DIVESTITURE OF BLACK MARLIN PIPELINE (HOUSTON NATURAL GAS)	OL2	F
1985	TAKEOVER ATTEMPT BY GAF	GE	M
1985	PONCE, PR PLANT SHUT DOWN	GE	F
1985	DIVESTITURE OF PLASTIC DRINKING STRAWS & GROCERY SACKS (JET PLASTIC)	GE	M
1985	DIVESTITURE OF ENGINEERED POLYMERS & PLASTICS (AMOCO)	GE	M
1985	TOLYLENE DIISOCYANATE UNIT AT INSTITUTE SHUT DOWN	OX	F
1985	NEW POLYPROPYLENE PROCESS LICENSED TO TOYO SODA	LP	M
1985	OLEFINS UNIT NO. 2 SHUT DOWN AT PONCE	OL2	F
1986	RESTRUCTURING	GE	M
1986	DIVESTITURE OF AG BUSINESS TO RHONE-POULENC	AG	F
1986	SUPERFUND AMENDMENTS	HS	M
1986	DIVESTITURE OF FILMS -PACKAGING (VISKASE)	LP	F
1986	DIVESTITURE OF UCCL POLYETHYLENE PLANT (NAVACOR MOORE)	LP	F
1986	46 UNIPOL REACTORS IN OPERATION	LP	F
1987	DIVESTITURE OF SUB-SOILSERV (GRIFFEN)	AG	F
1987	UCC&P IMPLEMENTED WORLDWIDE OPERATIONAL SAFETY PROGRAM	HS	M
1987	UCC RESTRUCTURED TO CARBON PRODUCTS, CHEM.& PLASTICS AND INDUST. GASES	GE	M
1987	TCS MANUFACTURE TERMINATED AT SISTERSVILLE	GE	F
1987	INITIATED "COMPLETE DRAINING" TANK CARS TO IMPROVE QUALITY CONTROL	GE	M

1987	DIVESTITURE OF POLYETHYLENE FILM FACILITIES	LP	F
1987	NEW ETHYLENE OXIDE UNIT BUILT AT RED DEER, CANADA	OX	F
1987	SILICON/ALCOHOL WORK STARTED	SI	P
1987	UCC RECEIVES KIRKPATRICK FOR METHYL TERTIARY BUTYL ETHER ADVANCES	SP	M
1988	LATEX MANUFACTURING CAPACITIES IN US EXCEEDS 600 MILLION POUNDS PER YEAR	EP	F
1988	NEW FLEXOMER PROCESS ANNOUNCED FOR ELASTOMERIC COPOLYMERS	LP	M
1989	UCC REALIGNED AS HOLDING COMPANY FOR THREE CORE BUSINESSES -	GE	M
1989	UCC&P, UC INDUSTRIAL GASES "UCAR" CARBON	GE	M
1989	EPOSODIC RISK MANAGEMENT PROGRAM (ERMS) INITIATED BY UCC	HS	M
1989	SILICON ANTI-FREEZE ADDITIVE CRASHES	SI	P
1990	PROCESS HAZARDS & RISK ANALYSIS PROGRAM INITIATED BY UCC&P	HS	M
1990	UCC ENTERS PLASTIC RECYCLING BUSINESS	GE	M
1990	DIVESTITURE OF POLYOLS (ARCO)	OX	F
1990	CHLOROSILANE PUBLIC TRANSPORTATION PROBLEMATIC	SI	M
1990	SILICONE STARTS UP CNT AT SISTERSVILLE	SI	F
1990	DIVESTITURE OF POLYSILICON BUSINESS TO KOMATSU	SI	F
1990	MAJOR EXPANSION TO MIXED KETONE PROCESS COMPLETED AT INSTITUTE	SO	F
1990	CAPROLACTAM UNIT AT TAFT MODERNIZED	SO	F
1990	DIVESTITURE OF PRIMARY ALCOHOL ETHOXALATES (HOECHST)	SP	F
1990	UCC ACQUIRED ROHM AND HAAS'S TRITON SURFACTANT LINE	OX	M
1991	SEMI-WORKS FACILITY COMPLETED FOR FLEXOMER PRODUCTS AT SO, CHARLESTON	LP	F
1991	DIVESTITURE OF 1,4 DIOXANE, 1,4, DIETHYLENE OXIDE BUSINESS (FERRO)	SP	F
1991	TEXAS CITY VINYL ACETATE UNIT EXPANDED	VP	F
1991	POLYOLS UNITS AT INSTITUTE AND SO. CHARLESTON SOLD TO ARCO CHEMICALS	OX	M
1992	UCC SUPPLIED 13 DIFFERENT NONIONIC SURFACTANTS AND 9 SPECIALTY SURFACTANTS	OX	M
1992	C&P HS&EA MERGED INTO UCC HEALTH, SAFETY & ENVIRONMENT	HS	M
1992	DIVESTITURE OF MICROPHOTORESIST (KTI) (OCG MICROELECTRONIC)	GE	F
1992	DIVESTITURE OF UNION CARBIDE INDUSTRIAL GASES (LINDE) TO PRAXAIR	GE	F
1992	DIVESTITURE OF ORGANOSILICON SALE-OSI (DLJ MECHANIC BANKING)	SI	F
1993	DIVESTITURE OF MARBLELIFE STONE CARE (ML ACQUISITIONS)	GE	M
1993	JOYCE RECEIVES US NATIONAL MEDAL OF TECHNOLOGY FOR THE UNIPOL PROCESS	LP	M
1993	NEW UNIT FOR TRITON SURFACTANTS BUILT AT INSTITUTE	OX	F
1993	DIVESTITURE OF PHENOXY RESINS (PHENOXY ASSOCIATES)	PH	F
1994	DIVESTITURE OF PARACLOX BIOCIDES (B K LANDENBURG GMBH)	GE	M
1994	JOINT VENTURE ANNOUNCED WITH PETROCHEMICAL INDUSTRIAL - KUWAIT COMPLEX	GE	M
1994	DIVESTITURE OF UNISON TRANSFORMER SERVICE (LANDFILL RECOVERY)	GE	M
1994	UCC ACQUIRES ETHYLENE OXIDE & DERIVATIVES IN EUROPE FROM ICI	OX	F
1995	DIVESTITURE OF "UCAR" CARBON	GE	M
1995	ANNOUNCED 90,000 TPY SEADRIFT PLANT TO PRODUCE EP RUBBER	LP	F
1995	BUSHY RUN RESEARCH CENTER OPERATIONS TERMINATED	MI	M
1995	300MMPY LPOXO UNIT STARTED AT TEXAS CITY	SO	F
1995	DIVESTITURE OF VINYL ACETATE IN KOREA (SAMSUNG)	VP	F
1995	TEXAS CITY VINYL ACETATE UNIT EXPANDED AGAIN	VP	F
1997	ANNOUNCED 1ST "SPLITTABLE" SURFACTANT (DESTRUCTABLE WITH SIMPLE ACID TREAT)	OX	P

