PLAINTIFF'S EXHIBIT
UC-5359

TIME LINE

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

Compiled by
George H. Daniels
1998

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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
June 1998

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CARBIDE HISTORY PROJECT
SECTIONS, CODES AND RESPONSIBILITIES

SECTION	LIBRARY CODE PREFIX	RESPONSIBILITY
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

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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 (H2SO4) USING 20% C2H4 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	C2H4 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

UCC TIME-LINE
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 & FOMALDEHYDE.			PH P
1910	UCC BUYS FRENCH OXYGEN/ACETYLENE WELDING TECHNOLOGY			GE M
1910	LINDE DEVELOPED ACETYLENE MINERS LAMP			GE P
1910	ETHANOL BY H2SO4 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 C2H2 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 C2H2			GE M
1914	UCC (COMPANY) FELLOWSHIP TO FIND NEW USES FOR CA-C & C2H2 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 C2H4			GE P
1915	CURME PATENT APPLIC. PROD. C2H2 FROM ORGANIC LIQUID	~'19-1,315,540		GE P
1915	UCC ESTABLISHES "ORGANIC SYNTHESIS FELLOWSHIP" TO FIND USES FOR C2H2			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 C2H4	~'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 C2H4 SEPARATION	~'22-1,422,184		OL1 P
1917	WORLDS FIRST LPG PIPELINE FOR SUPPORT OF OLEFINS UNIT			OL1 F
1917	PROPYLENE HYDRATION (H2SO4) 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 ACTVITY 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

UCC TIME-LINE
EVENTS LISTED CHRONOLOGICALLY

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 ISOPRPYL CHLORIDE	~'25-1,545,742		SO P
1920	PROPYLENE HYDRATION (H2SO4) 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 AVAILABLITY 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 FORMALEHYDE			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 DEVLOPED 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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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 COMMERCIALLY		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 & SWOLLOW MADE 1ST POLYETHYLENE PROPOSAL - ICI - NO. CHESSHIRE		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' CELLOSIZE 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 CONTIBUTION 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	CELLOSLVE 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 STABLIZATION 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 UTLIZING 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	VINYLITE" 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 GLYOCOL 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	MISCELLEANEOUS (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 "CELLOSIZE" 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 DICHHLORIDE		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	IST COMMERCIAL PRODUCTION OF CELLOSIZE 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 AQUIRED 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	IST COMMERCIAL PRODUCTION OF POLYETHYLENE GLYCOL 300		OX	P
1939	IST COMMERCIAL PRODUCTION OF POLYETHYLENE GLYCOLS IN U.S. AT FINE CHEMICALS		OX	P
1939	BAKELITE CO. ACQUIRED BY STOCK TRANSFER		GE	M
1939	AQUISITION 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 ANHYDRYDE 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

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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. INITATED BY LINDE AT TONAWANDA			SI F
1940	DDT PATENTED - MANY CHEM. CO.s INSTITUTED MAJOR PESITICIDE 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. VCHARLESTON			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 POLYETHYENE 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 PARTICPATE 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/ANHYDRYDE UNIT INSTALLED AT TEXAS CITY	SO	F	
1942	ACETONE UNIT STARTED UP AT TEXAS CITY		SO	F
1942	1ST 55 GAL. SALE OF TRICHLORETHANE		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 POLYETHLYENE 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 LUBRICANTLB-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 MARKETED 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

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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 & PROP[ONIC ACID DERIVATVES 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 ACROLEIN 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 REPELLENT #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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UCC TIME-LINE
EVENTS LISTED CHRONOLOGICALLY

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	CELLOSIZE 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		OX	F
1950	DYNEL FIBER PLANT BUILT AT SO. CHARLESTON		VP	F
1950	DEVELOPMENT WORK STARTED ON SUSPENSION VINYL RESIN PROCESS		VP	M
1950	DYNEL RESIN PRODUCTION UNIT CONSTRUCTED AT SO. CHARLESTON		VP	F
1950	EMULSION VINYL PROCESS DEVELOPED FOR PLASTISOLS AND ORGANISOLS		VP	M
1950	CELLOSIZE PRODUCTION MOVED TO NIAGRA FALLS		OX	F
1950	EARLY '50s -GASEOUS DIFFUSION EXTENDED TO FACILITIES AT PADUCAH, KENTUCKY		NU	F
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		SP	P
1951	1ST 55 GAL. SALE OF "CRAG" 341 (HEPTADECYL GLYOXYALIDINE ACETATE)		AG	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		SP	P
1951	1ST 55 GAL. SALE OF HYDROXY ETHYL DIETHYLENE TRIAMINE		OX	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		SP	P
1951	1ST COMMERCIAL PRODUCTION IN US OF ETHYLENE CHLORHYDRIN (85%)		OX	P
1951	1ST COMMERCIAL PRODUCTION IN US OF "FLEXOL" 2GB		VP	P
1951	1ST COMMERCIAL PRODUCTION IN US OF METHYL MONOETHANOLAMINE		OX	P
1951	1ST COMMERCIAL PRODUCTION IN US OF ISOPROPENYL ACETATE		SP	P
1951	1ST COMMERCIAL PRODUCTION IN US OF VINYL BUTYL ETHER		SP	P
1951	1ST SALE NEW MOLECULE OR MIX OF "FLEXOL" R-2H		VP	P
1951	1ST SALE NEW MOLECULE OR MIX OF CRAG GLYODIN		AG	P
1951	C&CCC TOOK OVER AG PRODUCTS		AG	M
1951	COAL HYDROGENATION PLANT OPERATING AT INSTITUTE WV		CH	F
1951	COAL HYDROGENATION DEMONSTRATION UNIT AT INSTITUTE STARTED UP		CH	F
1951	DEVELOPMENTAL PERACETIC ACID UNIT BUILT		SO	F
1951	FOWLER AND DENISON "DISCOVER" POLYETHYLENE OXIDE - POLYOX		OX	M
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		SP	P
1952	1ST COMMERCIAL PRODUCTION IN US OF N-ETHYL ETHANOLAMINE		OX	P
1952	1ST COMMERCIAL PRODUCTION IN US OF ALPHA-PICOLINE		SP	P
1952	UCC STAFF AT BOYCE THOMPSON INSTITUTE SET UP AS A SEPARATE AG GROUP		AG	M
1952	BOUND BROOK PLANT & MIDDLESEX COUNTY SEWERAGE AUTHORITY PLAN TREATMENT		HS	M
1952	POLYETHYLENE LICENSING RESOLVED IN ANTI-TRUST AGREEMENT BETWEEN ICI & US GOV.PE		M	
1952	SEADRIFT PLANT BEING BUILT		GE	F
1952	ETHYL ACRYLATE PRODUCED IN PILOT FACILITY IN FINE CHEMICALS AT SO. CHARLESTON		SO	P

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UCC TIME-LINE
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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 COUNSIL		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 MMPPY)		OL2	F
1954	WORLD'S 1ST COMPUTER CONTROLED ETHYL OXIDE UNIT STARTED AT SEADRIFT		OX	F
1954	PRODUCTION OF A DRY POWDER CELLOSIZE STARTED AT NIAGARA FALLS PLANT		OX	F
1954	PATENT FOR NEW CELLOSIZE 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 CELLOSIZE 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 ISOOCTOIC 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

UCC TIME-LINE
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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 "CELLOSIZE" 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. ESABLISHED		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. ESABLISHED		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 TETRAPHENYLTIN/AICI/VCI4 ("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 SYNTHYSIZE 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-PROPLYL 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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UCC TIME-LINE
EVENTS LISTED CHRONOLOGICALLY

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	AG	P
1957	OXO UNIT USING TUBULAR REACTORS STARTED UP AT PONCE	SO	F
1957	"MYLONE" INTRODUCED AS SOIL FUMIGANT	SO	F
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	AG	P
1957	UNION CARBIDE AND CARBON CORP. RENAMED UNION CARBIDE CORP.	EP	F
1957	WHITING POLYETHYLENE UNIT ON STREAM	GE	M
1957	STARTED OPERATION ZIEGLER PLANT FOR HDPE USING UCC DEVELOPED PROCESS	HP	F
1957	FIRST GENERATION SOLUTION PROCESS FOR FIBER-GRADE POLYPROPYLENE DEVELOPED	LP	F
1957	ATTRACTIVE OUTLET FOR SILICONES DEVELOPED IN URETHANE FOAM MANUFACTURER	LP	P
1957	NEW ETHYLENE OXIDE UNIT BUILT AT HYTHE, GREAT BRITAIN	SI	M
1957	1ST PRODUCTION OF POLYOX (FINE CHEMICALS UNIT AT SO. CHARLESTON)	OX	F
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	OX	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" GAINED GENERAL ACCEPTANCE	MI	M
1958	COMMERCIAL PRODUCTION OF "SEVIN" STARTED	MI	M
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	AG	P
1958	PRESSURIZED FLUIDIZED BED BURNER FOR COAL PILOT PLANT AT INSTITUTE	HS	F
1958	STABLE POLYVINYLACETATE LATEX DEVELOPED		CH M
1958	MAJOR ADDITIONS (RESEARCH, ENGINEERING & DEVELOPEMENT) TO TECH CENTER	EP	P
1958	BROWNSVILLE PLANT PURCHASED	GE	F
1958	CHEMICAL PLANT BUILT AT PONCE, PR	GE	F
1958	STARTED-UP PHILLIPS SOLUTION PROCESS PLANT	GE	F
1958	FIBERGLASS SIZING 1ST MAJOR SILICONE USE	LP	F
1958	INTRODUCED TERGITOL NP-44	SI	P
1959	INTRODUCED TERGITOL TMN-19	OX	P
		OX	P

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UCC TIME-LINE
EVENTS LISTED CHRONOLOGICALLY

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 OF2-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 FAILITIES BUILT AT INSTITUTE WV	SP	F

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UCC TIME-LINE
EVENTS LISTED CHRONOLOGICALLY

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 INSTITTUTE PLANT ON STREAM		AG F
1960	POLYVINYLACETATE 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 TiCl4/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 HYDROCARBONIZTION 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 PROCESSAT 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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UCC TIME-LINE
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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 DISTRTIBUTOR		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 CELLOSIZE UNIT AT INSTITUTE, WV		OX	F
1963	TOLYLENE DIISOCYANATE UNIT INSTALLED AT INSTITUTE		OX	F
1963	NIAGARA UNIT CELLOSIZE 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 1 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 & CHENICALS 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 ESTABISHES 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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UCC TIME-LINE
EVENTS LISTED CHRONOLOGICALLY

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	CAPORLACTONE 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 TiCl4/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 STREAN 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 CENTERAL 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

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UCC TIME-LINE
EVENTS LISTED CHRONOLOGICALLY

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 COMMERCIALLY 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 VOCI3/SILICA CAT FOR LOW & MEDIUM DENSITY PE		LP	P
1972	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 VOCI3/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 CELLOSIZE UNIT BUILT AT INSTITUTE - NIAGRA FALLS UNIT SHUT DOWN		OX	F
1973	NEW CELLOSIZE 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	CELLLOSIZE 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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EVENTS LISTED CHRONOLOGICALLY

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

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UCC TIME-LINE
EVENTS LISTED CHRONOLOGICALLY

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 CELLOSIZE 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 IIN LIQUID-POOL PROCESS	LP	M
1981	HENRY F. SMYTH AWARD ESABLISHED 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	CELLLOSIZE 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	SILCONES II TERMINATED	SI	F
1983	BROWNSVILLE TX PLANT SHUT DOWN	GE	F
1983	ENZYME RESISTANT CELLOSIZE 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 CELLOSIZE 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 BROWSVILLE TEMINATED	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

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UCC TIME-LINE
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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 PROBLEMATICAL		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 AQUIRED 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 MECHANT BANKING)		SI	F
1993	DIVESTITURE OF MARBLELIFE STONE CARE (ML AQUUISITIONS)		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 OOPERATIONS TERMINATED		MI	M
1995	3OOMMPY 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

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