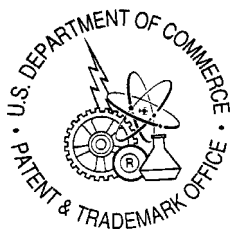


# TAF REPORT

## ISSUE DATES AND PATENT NUMBERS SINCE 1836:

BY YEAR -- 1836 TO 1998

BY ISSUE DATE -- 1963 - 12/1994  
(With addendum for issue dates from 1995 - 1998)



March 1999  
U.S. PATENT AND TRADEMARK OFFICE  
OFFICE FOR PATENT AND TRADEMARK INFORMATION / TAF PROGRAM  
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*A TECHNOLOGY ASSESSMENT AND FORECAST REPORT*

The attached table lists the first utility, design, reissue, and plant patents, defensive publications, and statutory invention registrations issued in each year since 1837. For those documents issued since 1963, information regarding the day of issue is also provided. A brief description of these patent documents is provided on the following page.

The patent documents listed in this report are as follows:

- 1) **1836-Series Patents (Utility Patents)-** Mechanical, electrical, and chemical patents issued since July 13, 1836, which are frequently designated as "utility" patents, are included in this document set. This document set is entirely numeric, beginning with number "1", issued on July 13, 1836. For patents in this series which were issuing at the end of 1993, the number exceeded 5200000.
- 2) **Design Patents-** Patents for designs are issued under a separate series of numbers which begin with a "D" (e.g., "D346445").
- 3) **Plant Patents-** Patents offer protection for certain types of plants. Plant patents are issued under a separate series of numbers which begin with the characters "PP" (e.g., "PP03037").
- 4) **Reissue Patents-** Reissue patents are issued to correct a previously issued patent. Reissue patents are issued under a separate series of numbers which begin with the characters "RE". Note that reissue Design patents are issued under the same series of numbers but begin with the characters "RD". Reissue patents were not separately numbered until 1838.
- 5) **Defensive Publication Series (DEF)-** Defensive publication documents are issued under a separate series of numbers which begin with the character "T" (e.g., "T947001"). Prior to December 1969, Defensive Publication documents were assigned according to a numbering system which was based on the application number assigned at the time of receipt at the Patent and Trademark Office (PTO). Subsequent to December 1969, a new numbering system was adopted which was based on the volume number of the "Official Gazette" publication in which the Defensive Publication was first printed. A conversion table for translating Defensive Publications issuing prior to December 16, 1969, to the new numbering system appears in the Official Gazette of December 16, 1969, vol.869, pages 687 and 688. In this report, all Defensive Publications are identified by numbers assigned according to the new numbering system.
- 6) **Statutory Invention Registration Series (SIR)-** These documents are issued under a separate series of numbers which begin with the character "H" (e.g., "H000312").

Selected patent documents are not listed in the attached table. They are as follows:

- 1) **X-Series Documents-** These are the 9,957 patents which issued between 1790 and July 4, 1836. They were not originally numbered, but have been arbitrarily assigned numbers in the sequence in which they issued. The assigned numbers begin with an "X" (e.g., "X11280").
- 2) **AI-Series Documents-** From 1838 to 1861, patents covering an inventor's improvement on their own patented device were given a separate series of numbers which begin with the letters, "AI" (e.g., "AI00318").

Document numbers for the time period 1836 to 1962 have been obtained from the table titled, "Summary of the Number of Patents and Defensive Publications Issued Annually, 1836-1984", contained in the publication, "Index of Patents, Part II, Index to Subject of Inventions Issued From the U.S. Patent and Trademark Office, 1984", published by the Government Printing Office. Document numbers since January, 1963, have been obtained from several sources including the Official Gazette and the Search and Information Resources Administration of the Patent and Trademark Office. These more recent document numbers were cross-checked in the Official Gazette, the online APS-Text Search System, the APS-Image Search System, and other sources. The user should note, however, that the table data may not be completely devoid of errors.

Numbers, as displayed in the table, are 7 characters with the numeric portion padded with leading zeroes where necessary.

Note that some numbers within a series may be unused. Therefore, the number of patents granted during a year cannot be determined by simply subtracting the number of the first patent issued in one year from the number of the first patent issued in the next year.

## Types of Patents

The PTO issues several different types of patent documents offering different kinds of protection and covering different types of subject matter.

A recently issued PTO patent document is one of six types, generally described below. See *U.S. Code Title 35 - Patents*, for a full description of patents and patent laws.

- \* Utility Patent- Issued for the invention of a new and useful process, machine, manufacture, or composition of matter, or a new and useful improvement thereof, it generally permits its owner to exclude others from making, using, or selling the invention for a period of up to twenty years from the date of patent application filing ++, subject to the payment of maintenance fees. Approximately 90% of the patent documents issued by the PTO in recent years have been utility patents, also referred to as "patents for invention."
- \* Design Patent- Issued for a new, original, and ornamental design for an article of manufacture, it permits its owner to exclude others from making, using, or selling the design for a period of fourteen years from the date of patent grant. Design patents are not subject to the payment of maintenance fees.
- \* Plant Patent- Issued for a new and distinct, invented or discovered asexually reproduced plant including cultivated sports, mutants, hybrids, and newly found seedlings, other than a tuber propagated plant or a plant found in an uncultivated state, it permits its owner to exclude others from making, using, or selling the plant for a period of up to twenty years from the date of patent application filing ++. Plant patents are not subject to the payment of maintenance fees.
- \* Reissue Patent- Issued to correct an error in an already issued utility, design, or plant patent, it does not affect the period of protection offered by the original patent.
- \* Defensive Publication (DEF)- Issued instead of a regular utility, design, or plant patent, it offers limited protection, defensive in nature, to prevent others from patenting an invention, design, or plant. The Defensive Publication was replaced by the Statutory Invention Registration in 1985-86.
- \* Statutory Invention Registration (SIR)- This document replaced the Defensive Publication in 1985-86 and offers similar protection.

++ Although, the length of utility and plant patent protection (patent term) was previously seventeen years from the date of patent grant, utility and plant patents filed after June 8, 1995 now have a patent term of up to twenty years from the date of filing of the earliest related patent application. Utility and plant patents which were applied for prior to June 8, 1995, and which were or will be in force after June 8, 1995, now have a patent term of seventeen years from the date of patent grant or twenty years from the date of filing of the earliest related patent application, whichever is longer. Utility patents are subject to the payment of periodic maintenance fees to keep the patent in force. Patent terms can be extended under some specific circumstances. See the *U.S. Code Title 35 - Patents* for a full description of patent laws.

Table of issue dates and patent numbers, for patents issued since 1836 (\*)  
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 March 24, 1999

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	Issue Date	1st Utility	1st Design	1st Plant	1st Reissue (**)	1st SIR	1st (***) DEF	Last (***) DEF
(*)	1836	0000001			(**)			
	1837	0000110			(**)			
	1838	0000546			RE00001			
	1839	0001061			RE00007			
	1840	0001465			RE00020			
	1841	0001923			RE00030			
	1842	0002413			RE00036			
	1843	0002901	D000001		RE00049			
	1844	0003395	D000015		RE00060			
	1845	0003873	D000027		RE00067			
	1846	0004348	D000044		RE00078			
	1847	0004914	D000103		RE00091			
	1848	0005409	D000163		RE00105			
	1849	0005993	D000209		RE00128			
	1850	0006981	D000258		RE00158			
	1851	0007865	D000341		RE00184			
	1852	0008622	D000431		RE00209			
	1853	0009512	D000540		RE00229			
	1854	0010358	D000626		RE00258			
	1855	0012117	D000683		RE00286			
	1856	0014009	D000753		RE00337			
	1857	0016324	D000860		RE00420			
	1858	0019010	D000973		RE00517			
	1859	0022477	D001075		RE00643			
	1860	0026642	D001183		RE00874			
	1861	0031005	D001366		RE01106			
	1862	0034045	D001508		RE01253			
	1863	0037266	D001703		RE01369			
	1864	0041047	D001879		RE01596			
	1865	0045685	D002018		RE01844			
	1866	0051784	D002239		RE02140			
	1867	0060658	D002533		RE02430			
	1868	0072959	D002858		RE02830			
	1869	0085503	D003304		RE03250			
	1870	0098460	D003810		RE03784			
	1871	0110617	D004547		RE04223			
	1872	0122304	D005452		RE04687			
	1873	0134504	D006336		RE05216			
	1874	0146120	D007083		RE05717			
	1875	0158350	D007969		RE06200			
	1876	0171641	D008884		RE06831			
	1877	0185813	D009686		RE07452			
	1878	0198733	D010385		RE08020			
	1879	0211078	D010975		RE08529			
	1880	0223211	D011567		RE09017			
	1881	0236137	D012082		RE09523			
	1882	0251685	D012647		RE09994			
	1883	0269820	D013508		RE10265			
	1884	0291016	D014528		RE10432			
	1885	0310163	D015678		RE10548			
	1886	0333494	D016451		RE10677			
	1887	0355291	D017046		RE10793			
	1888	0375720	D017995		RE10892			
	1889	0395305	D018830		RE10978			
	1890	0418665	D019553		RE11053			
	1891	0443987	D020439		RE11137			
	1892	0466315	D021275		RE11217			

## Table of issue dates and patent numbers, for patents issued since 1836 (\*)

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Issue Date	1st Utility	1st Design	1st Plant	1st Reissue (**)	1st SIR	1st (***) DEF	Last (***) DEF
1893	0488976	D022092		RE11298			
1894	0511744	D022994		RE11397			
1895	0531619	D023922		RE11461			
1896	0552502	D025037		RE11520			
1897	0574369	D026482		RE11581			
1898	0596467	D028113		RE11646			
1899	0616871	D029916		RE11706			
1900	0640167	D032055		RE11798			
1901	0664827	D033813		RE11879			
1902	0690385	D035547		RE11960			
1903	0717521	D036187		RE12070			
1904	0748567	D036723		RE12189			
1905	0778834	D037280		RE12299			
1906	0808618	D037766		RE12428			
1907	0839799	D038391		RE12587			
1908	0875679	D038980		RE12738			
1909	0908436	D039737		RE12906			
1910	0945010	D040424		RE13066			
1911	0980178	D041063		RE13189			
1912	1013095	D042073		RE13346			
1913	1049326	D043415		RE13504			
1914	1083267	D045098		RE13668			
1915	1123212	D046813		RE13858			
1916	1166419	D048358		RE14040			
1917	1210389	D050117		RE14238			
1918	1251458	D051629		RE14417			
1919	1290027	D052836		RE14582			
1920	1326899	D054359		RE14785			
1921	1364063	D056844		RE15018			
1922	1401948	D060121		RE15257			
1923	1440362	D061748		RE15513			
1924	1478996	D063675		RE15739			
1925	1521590	D066346		RE15974			
1926	1568040	D069170		RE16240			
1927	1612700	D071772		RE16515			
1928	1654521	D074159		RE16841			
1929	1696897	D077347		RE17176			
1930	1742181	D080254		RE17550			
1931	1787424	D082966	PP00001	RE17917			
1932	1839190	D085903	PP00006	RE18312			
1933	1892663	D088847	PP00052	RE18705			
1934	1941449	D091258	PP00085	RE19038			
1935	1985878	D094179	PP00117	RE19409			
1936	2026516	D098045	PP00162	RE19804			
1937	2066309	D102601	PP00211	RE20226			
1938	2104004	D107738	PP00266	RE20610			
1939	2142080	D112765	PP00307	RE20959			
1940	2185170	D118358	PP00352	RE21311			
1941	2227418	D124503	PP00437	RE21683			
1942	2268540	D130989	PP00499	RE21992			
1943	2307007	D134717	PP00564	RE22242			
1944	2338081	D136946	PP00611	RE22415			
1945	2366154	D139862	PP00649	RE22585			
1946	2391856	D143386	PP00666	RE22706			
1947	2413675	D146165	PP00722	RE22827			
1948	2433824	D148267	PP00774	RE22957			
1949	2457797	D152235	PP00818	RE23068			

Table of issue dates and patent numbers, for patents issued since 1836 (\*)  
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Issue Date	1st Utility	1st Design	1st Plant	1st Reissue (**)	1st SIR	1st (***) DEF	Last (***) DEF
1950	2492944	D156686	PP00911	RE23186			
1951	2536016	D161404	PP01001	RE23315			
1952	2580379	D165568	PP01059	RE23449			
1953	2624046	D168527	PP01160	RE23612			
1954	2664562	D171241	PP01238	RE23763			
1955	2698434	D173777	PP01339	RE23918			
1956	2728913	D176490	PP01442	RE24105			
1957	2775762	D179467	PP01543	RE24263			
1958	2818567	D181829	PP01672	RE24413			
1959	2866973	D184204	PP01792	RE24584			
1960	2919443	D186973	PP01893	RE24761			
1961	2966681	D189516	PP02009	RE24918			
1962	3015103	D192004	PP02117	RE25107			
1963	3070801	D194304	PP02208	RE25309			
1964	3116487	D197269	PP02337	RE25507			
1965	3163865	D199955	PP02465	RE25707			
1966	3226729	D203379	PP02585	RE25953			
1967	3295143	D206567	PP02699	RE26132			
1968	3360800	D209732	PP02784	RE26328		See data by issue date	
1969	3419907	D213084	PP02856	RE26515		See data by issue date	
1970	3487470	D216419	PP02959	RE26749		See data by issue date	
1971	3551909	D219637	PP03011	RE27018		See data by issue date	
1972	3631539	D222793	PP03063	RE27264		See data by issue date	
1973	3707729	D225695	PP03281	RE27540		See data by issue date	
1974	3781914	D229729	PP03413	RE27856		See data by issue date	
1975	3858241	D234033	PP03674	RE28292		See data by issue date	
1976	3930271	D238315	PP03824	RE28671		See data by issue date	
1977	4000520	D242881	PP04001	RE29095		See data by issue date	
1978	4065812	D246811	PP04174	RE29506		See data by issue date	
1979	4131952	D250676	PP04360	RE29872		See data by issue date	
1980	4180867	D253796	PP04491	RE30183		See data by issue date	
1981	4242757	D257746	PP04612	RE30469		See data by issue date	
1982	4308622	D262495	PP04796	RE30840		See data by issue date	
1983	4366579	D267440	PP04970	RE31115		See data by issue date	
1984	4423523	D272009	PP05168	RE31479		See data by issue date	
1985	4490855	D276949	PP05380	RE31783	H000001	See data by issue date	
1986	4562596	D282020	PP05622	RE32061	H000007	See data by issue date	
1987	4633526	D287540	PP05846	RE32323	H000182	See data by issue date	
1988	4716594	D293500	PP06075	RE32569	H000396	See data by issue date	
1989	4794652	D299180	PP06501	RE32814	H000563		
1990	4890335	D305275	PP07089	RE33138	H000720		
1991	4980927	D313301	PP07408	RE33510	H000863		
1992	5077836	D322878	PP07761	RE33786	H001007		
1993	5175886	D332170	PP08082	RE34154	H001124		
1994	5274846	D342818	PP08527	RE34493	H001270		
1995	5377359	D353932	PP09026	RE34814	H001389		
1996	5479658	D365671	PP09413	RE35136	H001512		
1997	5590420	D377107	PP09776	RE35418	H001623		
1998	5704062	D388585	PP10172	RE35708	H001701		
1999	5855021	D403485	PP10743	RE36022	H001766		

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(\*) The current patent numbering system began with a patent issued on July 13, 1836. Prior to that date, 9,957 patents had been issued. The user should note that the data in this table have been checked but that it may still not be completely devoid of errors.

Table of issue dates and patent numbers, for patents issued since 1836 (\*)

OPTI/TAF

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Issue	1st	1st	1st	1st (**)	1st	1st (***)	Last (***)
Date	Utility	Design	Plant	Reissue	SIR	DEF	DEF

Numbers, as displayed in the table, are 7 characters with the numeric portion padded with leading zeroes where necessary.

Note that some numbers within a series may be unused. Therefore, the number of patents granted during a year cannot be determined by simply subtracting the number of the first patent issued in one year from the number of the first patent issued in the next year.

(\*\*) Reissue patents were not separately numbered until 1838

(\*\*\*) See the explanation page regarding the numbering systems used for Defensive Publications

## Table of issue dates and patent numbers, for patents issued since 1836 (\*)

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Issue Date	1st Utility	1st Design	1st Plant	1st Reissue (**)	1st SIR	1st (***) DEF	Last (***) DEF
01/01/63	3070801	D194304		RE25309			
01/08/63	3071775	D194342	PP02208	RE25317			
01/15/63	3072911	D194389	PP02217	RE25321			
01/22/63	3074069	D194420					
01/29/63	3075195	D194449	PP02221	RE25324			
02/05/63	3076195	D194495		RE25326			
02/12/63	3076970	D194527	PP02224				
02/19/63	3077602	D194580	PP02227	RE25329			
02/26/63	3078465	D194657	PP02230	RE25337			
03/05/63	3079606	D194737	PP02232	RE25341			
03/12/63	3080563	D194774	PP02233	RE25344			
03/19/63	3081459	D194829		RE25351			
03/26/63	3082425	D194862	PP02243	RE25358			
04/02/63	3083367	D194904	PP02244	RE25363			
04/09/63	3084344	D194967	PP02247	RE25368			
04/16/63	3085247	D195020	PP02251	RE25369			
04/23/63	3086207	D195079		RE25372			
04/30/63	3087160	D195113	PP02254	RE25375			
05/07/63	3088114	D195163	PP02258	RE25378			
05/14/63	3089143	D195189		RE25383			
05/21/63	3090045	D195247	PP02259				
05/28/63	3090961	D195297		RE25389			
06/04/63	3091768	D195326					
06/11/63	3092837	D195394	PP02262	RE25393			
06/18/63	3093829	D195450		RE25395			
06/25/63	3094701	D195495	PP02265	RE25405			
07/02/63	3095572	D195541		RE25408			
07/09/63	3096522	D195617		RE25411			
07/16/63	3097360	D195663	PP02269	RE25415			
07/23/63	3098232	D195713		RE25419			
07/30/63	3099011	D195756	PP02270	RE25427			
08/06/63	3099837	D195810	PP02271	RE25431			
08/13/63	3100301	D195936	PP02274	RE25432			
08/20/63	3100896	D196032					
08/27/63	3101476	D196096	PP02275	RE25436			
09/03/63	3102270	D196166	PP02277	RE25439			
09/10/63	3103012	D196225	PP02280	RE25440			
09/17/63	3103666	D196290		RE25444			
09/24/63	3104395	D196353	PP02285	RE25449			
10/01/63	3105237	D196421		RE25451			
10/08/63	3105970	D196482	PP02287	RE25455			
10/15/63	3106715	D196557	PP02289	RE25461			
10/22/63	3107355	D196629	PP02290	RE25465			
10/29/63	3108282	D196703	PP02292	RE25467			
11/05/63	3109176	D196775		RE25470			
11/12/63	3110032	D196831	PP02295	RE25476			
11/19/63	3110898	D196899	PP02305				
11/26/63	3111673	D196957	PP02314	RE25482			
12/03/63	3112487	D197001	PP02324	RE25491			
12/10/63	3113317	D197047		RE25493			
12/17/63	3114151	D197114	PP02326	RE25494			
12/24/63	3114914	D197173	PP02330	RE25499			
12/31/63	3115636	D197206	PP02336	RE25504			
01/07/64	3116487	D197269	PP02337	RE25507			
01/14/64	3117321	D197326	PP02340	RE25512			



## Table of issue dates and patent numbers, for patents issued since 1836 (\*)

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Issue Date	1st Utility	1st Design	1st Plant	1st Reissue (**)	1st SIR	1st (***) DEF	Last (***) DEF
01/21/64	3118146	D197371	PP02344	RE25514			
01/28/64	3119112	D197397		RE25516			
02/04/64	3120002	D197425	PP02350	RE25518			
02/11/64	3120664	D197456	PP02360	RE25520			
02/18/64	3121233	D197502	PP02365	RE25522			
02/25/64	3121875	D197550	PP02367	RE25523			
03/03/64	3122749	D197590	PP02368	RE25526			
03/10/64	3123830	D197636	PP02373	RE25531			
03/17/64	3124805	D197691	PP02376	RE25537			
03/24/64	3125761	D197758	PP02381	RE25539			
03/31/64	3126549	D197835	PP02388	RE25543			
04/07/64	3127614	D197879		RE25547			
04/14/64	3128468	D197944	PP02389	RE25552			
04/21/64	3129429	D198014	PP02391	RE25556			
04/28/64	3130413	D198071	PP02393	RE25562			
05/05/64	3131397	D198119	PP02399	RE25567			
05/12/64	3132343	D198154	PP02400	RE25572			
05/19/64	3133287	D198198	PP02404	RE25578			
05/26/64	3134105	D198254	PP02405	RE25583			
06/02/64	3134981	D198305	PP02407	RE25586			
06/09/64	3135961	D198359	PP02410	RE25590			
06/16/64	3137004	D198429	PP02411	RE25597			
06/23/64	3137858	D198490	PP02412	RE25605			
06/30/64	3138801	D198521	PP02415	RE25606			
07/07/64	3139622	D198560	PP02416	RE25611			
07/14/64	3140492	D198616	PP02422	RE25616			
07/21/64	3141171	D198663	PP02427	RE25620			
07/28/64	3142066	D198740	PP02428	RE25622			
08/04/64	3142841	D198776	PP02431	RE25627			
08/11/64	3143739	D198831	PP02433				
08/18/64	3144653	D198896	PP02437	RE25631			
08/25/64	3145387	D198968	PP02439	RE25633			
09/01/64	3146459	D199020		RE25634			
09/08/64	3147484	D199047	PP02444	RE25637			
09/15/64	3148373	D199114	PP02445	RE25640			
09/22/64	3149339	D199174	PP02446	RE25643			
09/29/64	3150378	D199231	PP02448	RE25648			
10/06/64	3151329	D199298		RE25650			
10/13/64	3152334	D199349	PP02449	RE25656			
10/20/64	3153242	D199387	PP02450	RE25664			
10/27/64	3153790	D199427		RE25667			
11/03/64	3154787	D199483		RE25673			
11/10/64	3155980	D199514	PP02451	RE25676			
11/17/64	3156920	D199557	PP02452	RE25685			
11/24/64	3157884	D199611	PP02454	RE25689			
12/01/64	3158867	D199661	PP02455	RE25691			
12/08/64	3159843	D199725		RE25695			
12/15/64	3160890	D199776	PP02462	RE25697			
12/22/64	3161886	D199834		RE25701			
12/29/64	3162861	D199891		RE25705			
01/05/65	3163865	D199955		RE25707			
01/12/65	3164839	D200045	PP02465	RE25710			
01/19/65	3165754	D200089	PP02466	RE25711			
01/26/65	3166757	D200146		RE25715			
02/02/65	3167778	D200189	PP02468	RE25723			
02/09/65	3168744	D200229		RE25724			
02/16/65	3169249	D200288	PP02471	RE25728			

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02/23/65	3170160	D200392	PP02483	RE25732			
03/02/65	3171131	D200460		RE25735			
03/09/65	3172117	D200523	PP02486	RE25739			
03/16/65	3173147	D200566	PP02487	RE25744			
03/23/65	3174155	D200623	PP02489	RE25745			
03/30/65	3175225	D200697					
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04/13/65	3177498	D200842	PP02492	RE25761			
04/20/65	3178723	D200894	PP02493	RE25765			
04/27/65	3179953	D200952	PP02499	RE25767			
05/04/65	3181175	D200996	PP02502	RE25772			
05/11/65	3182335	D201070	PP02507	RE25775			
05/18/65	3183522	D201119	PP02513	RE25778			
05/25/65	3184756	D201172	PP02517				
06/01/65	3186004	D201239	PP02522	RE25785			
06/08/65	3187342	D201271	PP02528	RE25791			
06/15/65	3188654	D201343	PP02535	RE25797			
06/22/65	3189917	D201426	PP02539	RE25803			
06/29/65	3191185	D201490	PP02542	RE25811			
07/06/65	3192536	D201539	PP02543	RE25815			
07/13/65	3193841	D201610	PP02544				
07/20/65	3195147	D201657	PP02545	RE25820			
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08/03/65	3197784	D201784	PP02546	RE25826			
08/10/65	3199118	D201860	PP02547	RE25833			
08/17/65	3200413	D201946		RE25840			
08/24/65	3201800	D202021	PP02548	RE25842			
08/31/65	3203003	D202097	PP02549	RE25844			
09/07/65	3204251	D202164		RE25849			
09/14/65	3205508	D202256		RE25856			
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09/28/65	3208080	D202408	PP02552	RE25868			
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11/30/65	3220014	D203025		RE25917			
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12/28/65	3225356	D203328	PP02581				
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01/18/66	3229303	D203495	PP02587				
01/25/66	3230544	D203528					
02/01/66	3231896	D203576	PP02591				
02/08/66	3233248	D203651	PP02599				
02/15/66	3234563	D203738	PP02602				
02/22/66	3235880	D203800	PP02603	RE25953			
03/01/66	3237201	D203924		RE25969			
03/08/66	3238535	D203963		RE25978			
03/15/66	3239842	D204049	PP02606				
03/22/66	3241153	D204126	PP02609	RE25982			

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03/29/66	3242499	D204185		RE25994			
04/05/66	3243822	D204225	PP02616				
04/12/66	3245086	D204361	PP02619				
04/19/66	3246337	D204443	PP02621				
04/26/66	3247520	D204538	PP02623	RE25999			
05/03/66	3248738	D204588	PP02628	RE26009			
05/10/66	3249948	D204657		RE26020			
05/17/66	3251065	D204727		RE26023			
05/24/66	3252166	D204863	PP02630	RE26029			
05/31/66	3253281	D204927	PP02637				
06/07/66	3254348	D204971	PP02641				
06/14/66	3255459	D205026		RE26034			
06/21/66	3256528	D205054	PP02645				
06/28/66	3257666	D205123	PP02647	RE26044			
07/05/66	3258779	D205177	PP02648	RE26053			
07/12/66	3259908	D205209	PP02657				
07/19/66	3261024	D205279		RE26061			
07/26/66	3262125	D205339					
08/02/66	3263235	D205394	PP02660	RE26068			
08/09/66	3264654	D205438					
08/16/66	3266056	D205492					
08/23/66	3267486	D205583	PP02662				
08/30/66	3268911	D205609	PP02666				
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09/13/66	3271778	D205702	PP02671				
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10/11/66	3277496	D205923	PP02676	RE26093			
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10/25/66	3280402	D206047					
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11/08/66	3283336	D206145	PP02684	RE26109			
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11/22/66	3286274	D206256	PP02686	RE26114			
11/29/66	3287737	D206317	PP02687	RE26117			
12/06/66	3289212	D206370	PP02688	RE26119			
12/13/66	3290693	D206424	PP02691	RE26123			
12/20/66	3292179	D206479		RE26128			
12/27/66	3293659	D206518	PP02694	RE26130			
01/03/67	3295143	D206567		RE26132			
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01/17/67	3298031	D206707	PP02699				
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04/11/67	3312981	D207390		RE26188			
04/18/67	3314077	D207442		RE26189			
04/25/67	3315272	D207477	PP02733	RE26196			

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05/23/67	3320619	D207697		RE26206			
05/30/67	3321771	D207768	PP02744	RE26212			
06/06/67	3323134	D207833		RE26217			
06/13/67	3324479	D207899	PP02746				
06/20/67	3325824	D207946		RE26222			
06/27/67	3327316	D207987	PP02749	RE26226			
07/04/67	3328806	D208017		RE26233			
07/11/67	3329966	D208047	PP02750				
07/18/67	3331083	D208084	PP02752	RE26234			
07/25/67	3332086	D208143					
08/01/67	3333280	D208188		RE26241			
08/08/67	3334355	D208247	PP02756				
08/15/67	3335425	D208289	PP02759	RE26246			
08/22/67	3336598	D208351	PP02760				
08/29/67	3337875	D208392	PP02763	RE26254			
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09/12/67	3340542	D208527	PP02766	RE26264			
09/19/67	3341861	D208620	PP02768				
09/26/67	3343176	D208687		RE26267			
10/03/67	3344433	D208756	PP02770	RE26274			
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10/31/67	3349409	D209036		RE26290			
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11/14/67	3351954	D209189	PP02776				
11/21/67	3353187	D209269		RE26298			
11/28/67	3354468	D209383	PP02779	RE26308			
12/05/67	3355744	D209444	PP02781	RE26315			
12/12/67	3357026	D209498					
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12/26/67	3359567	D209654					
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01/09/68	3362027	D209806	PP02786	RE26331			
01/16/68	3363262	D209896	PP02789				
01/23/68	3364499	D209951	PP02790	RE26337			
01/30/68	3365725	D210002	PP02793				
02/06/68	3366970	D210064	PP02794	RE26340			
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02/20/68	3369255	D210189		RE26345			
02/27/68	3370302	D210268					
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03/12/68	3372401	D210443	PP02800	RE26361			
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04/02/68	3375529	D210648					
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04/23/68	3378851	D210815	PP02806	RE26379			
04/30/68	3380073	D210863	PP02809				
05/07/68	3381303	D210926		RE26385			
05/14/68	3382503	D210991					
05/21/68	3383705	D211075		RE26390			
05/28/68	3384903	D211151	PP02811				

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06/18/68	3388405	D211445					
06/25/68	3389405	D211503		RE26410			
07/02/68	3390405	D211556	PP02817	RE26418			
07/09/68	3391405	D211623					
07/16/68	3392405	D211682	PP02818	RE26423			
07/23/68	3393405	D211708	PP02820				
07/30/68	3394406	D211774	PP02822				
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08/13/68	3396406	D211925		RE26438			
08/20/68	3397406	D211975	PP02828				
08/27/68	3398406	D212070		RE26443			
09/03/68	3399406	D212149	PP02830	RE26448			
09/10/68	3400406	D212183	PP02831	RE26452			
09/17/68	3401406	D212205	PP02834	RE26456			
09/24/68	3402406	D212274		RE26462			
10/01/68	3403406	D212318	PP02835	RE26467			
10/08/68	3404406	D212349		RE26473			
10/15/68	3405406	D212410	PP02839				
10/22/68	3406406	D212455	PP02840	RE26478			
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11/05/68	3408651	D212580		RE26482	T856001	T856012	
11/12/68	3409907	D212666	PP02844	RE26487	T856013	T856024	
11/19/68	3411156	D212731			T856025	T856036	
11/26/68	3412406	D212799			T856037	T856048	
12/03/68	3413656	D212842	PP02847	RE26493	T857001	T857012	
12/10/68	3414906	D212871		RE26500	T857013	T857024	
12/17/68	3416156	D212932		RE26505	T857025	T857036	
12/24/68	3417406	D213001	PP02850		T857037	T857048	
12/31/68	3418657	D213034	PP02853	RE26510			
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01/21/69	3422458	D213247	PP02856	RE26520	T858013	T858024	
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03/11/69	3431560	D213490	PP02870	RE26540			
03/18/69	3432860	D213539			T860001	T860012	
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04/15/69	3438060	D213819		RE26560	T861025	T861036	
04/22/69	3439360	D213856	PP02880		T861037	T861048	
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05/06/69	3441960	D214008	PP02882		T862000	T862012	
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05/27/69	3445860	D214255	PP02889	RE26582	T862013	T862024	
06/03/69	3447160	D214301		RE26595			
06/10/69	3448460	D214356	PP02890	RE26601			
06/17/69	3449761	D214417	PP02896	RE26607			
06/24/69	3451062	D214482		RE26610	T863001	T863012	
07/01/69	3452362	D214547	PP02897	RE26619			

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07/15/69	3454962	D214659	PP02903	RE26625		T864001	T864012
07/22/69	3456263	D214712	PP02907	RE26632			
07/29/69	3457563	D214775	PP02912	RE26633		T864013	T864024
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08/12/69	3460163	D214861	PP02916	RE26639			
08/19/69	3461463	D214982		RE26644			
08/26/69	3462763	D215046		RE26649			
09/02/69	3464063	D215077		RE26656		T866001	T866012
09/09/69	3465363	D215137		RE26657			
09/16/69	3466663	D215194	PP02918			T866013	T866024
09/23/69	3467964	D215260	PP02920	RE26667			
09/30/69	3469264	D215399	PP02922	RE26668		T866025	T866036
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10/14/69	3471865	D215574	PP02931	RE26688			
10/21/69	3473165	D215641	PP02932			T867001	T867012
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12/02/69	3480966	D216184		RE26726			
12/09/69	3482266	D216245	PP02945	RE26732			
12/16/69	3483568	D216290	PP02951			T869001	T869016
12/23/69	3484868	D216357	PP02956	RE26738			
12/30/69	3486169	D216384		RE26745		T869017	T869023
01/06/70	3487470	D216419		RE26749		T870001	T870007
01/13/70	3488771	D216453		RE26761		T870008	T870014
01/20/70	3490071		PP02959	RE26770		T870015	T870018
01/27/70	3491371	D216497	PP02964			T870019	T870022
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03/17/70	3500472	D216863		RE26821			
03/24/70	3501772	D216939		RE26833		T872005	T872008
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04/07/70	3504377	D217082		RE26846		T873001	T873005
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06/09/70		D217754		RE26903		T875006	T875013
06/16/70		D217800				T875014	T875018
06/23/70	3516091	D217845	PP02970	RE26910		T875019	T875023
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07/21/70	3520801	D218084	PP02981				
07/28/70	3521601	D218137	PP02982			T876001	T876010
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09/08/70	3526906	D218586		RE26946		T878001	T878011
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09/29/70	3530506	D218794		RE26955		T878012	T878024
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10/13/70	3533106	D218926		RE26963		T879001	T879012
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11/03/70	3537107	D219095		RE26977			
11/10/70	3538508	D219121	PP02996				
11/17/70	3540058	D219200	PP03000	RE26978			
11/24/70	3541608	D219255	PP03005	RE26983		T880001	T880011
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12/22/70	3548409	D219503		RE27007			
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01/05/71	3551909	D219637	PP03011	RE27018			
01/12/71	3553734	D219700	PP03014	RE27024			
01/19/71	3555559	D219725	PP03018	RE27032			
01/26/71	3557384	D219765		RE27038		T882013	T882024
02/02/71	3559209	D219801	PP03022	RE27044		T883001	T883019
02/09/71	3561009	D219861		RE27049			
02/16/71	3562809	D219904	PP03026	RE27058			
02/23/71	3564609	D219947		RE27068		T883020	T883031
03/02/71	3566409	D220027	PP03030	RE27078			
03/09/71	3568209	D220076				T884001	T884007
03/16/71	3570009	D220163				T884008	T884017
03/23/71	3571534	D220239		RE27087			
03/30/71	3572436	D220304		RE27099			
04/06/71	3573336	D220375	PP03037	RE27112			
04/13/71	3574236	D220420	PP03040				
04/20/71	3575136	D220464	PP03047	RE27115			
04/27/71	3576036	D220560		RE27118			
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05/11/71	3577836	D220674				T886010	T886015
05/18/71	3578736	D220741		RE27123			
05/25/71	3579637	D220792		RE27125			
06/01/71	3581312	D220828		RE27127		T887001	T887016
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06/15/71	3584313	D220897					
06/22/71	3585638	D220932		RE27142		T887017	T887030
06/28/71	3587113						
06/29/71	3588913	D220993		RE27148			
07/06/71	3590388	D221045		RE27152			
07/13/71	3591863	D221122					
07/20/71	3593338	D221204		RE27154		T888001	T888017
07/27/71	3594813	D221272					
08/03/71	3596288	D221327					
08/10/71	3597763	D221374	PP03054	RE27158			
08/17/71	3599238	D221410					
08/24/71	3600713	D221506					
08/31/71	3601813	D221609				T889001	T889030

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09/07/71	3602913	D221723					
09/14/71	3604013	D221823					
09/20/71	3605113			RE27168			
09/21/71	3606613	D221923		RE27174		T890001	T890014
09/28/71	3608088	D222024					
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10/12/71	3611438	D222223		RE27183			
10/19/71	3613113	D222323		RE27190			
10/26/71	3614788	D222423		RE27200			
11/02/71	3616463	D222523		RE27209			
11/09/71	3618138	D222573		RE27222			
11/16/71	3619813	D222603					
11/23/71	3621488	D222633		RE27235		T892001	T892017
11/30/71	3623163	D222658				T892018	T892027
12/07/71	3624839	D222689					
12/14/71	3626514	D222712		RE27241		T893001	T893014
12/21/71	3628189	D222739		RE27247			
12/28/71	3629864	D222765		RE27256			
01/04/72	3631539	D222793					
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01/18/72	3634889	D222849		RE27275			
01/25/72	3636564	D222871		RE27279			
02/01/72	3638239	D222900					
02/08/72	3639914	D222930					
02/15/72	3641589	D222959		RE27280			
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02/29/72	3644939	D223017		RE27301			
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04/18/72	3656184	D223430	PP03112				
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05/02/72	3659294	D223531	PP03143				
05/09/72	3660849	D223557	PP03153	RE27348			
05/16/72	3662404	D223600	PP03168	RE27362			
05/23/72	3663959	D223650	PP03182				
05/30/72	3665514	D223695	PP03197	RE27375			
06/06/72	3667069	D223742					
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06/20/72	3670339	D223891	PP03211	RE27390			
06/27/72	3671974	D223983	PP03220	RE27403			
07/04/72	3673609	D224077	PP03224	RE27416			
07/11/72	3675244	D224182	PP03231	RE27425			
07/18/72	3676879	D224281	PP03236	RE27433		T900001	T900013
07/25/72	3678514	D224381	PP03241			T900014	T900031
08/01/72	3680149	D224482	PP03245	RE27445		T901001	T901016
08/08/72	3681784	D224582	PP03250			T901017	T901025
08/15/72	3683419	D224610	PP03254	RE27458		T901026	T901031
08/22/72	3685054	D224632	PP03258	RE27464			
08/29/72	3686689	D224676					
09/05/72	3688314	D224700		RE27467			
09/12/72	3689939	D224730					
09/19/72	3691564	D224763		RE27477			
09/26/72	3693189	D224820		RE27484			



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10/03/72	3694814	D224854		RE27496		T903001	T903026
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10/24/72	3699589	D224949		RE27509			
10/31/72	3701164	D224992		RE27516			
11/07/72	3702012	D225043				T904001	T904017
11/14/72	3702484	D225093					
11/21/72	3703007	D225139				T904018	T904035
11/28/72	3703728	D225188		RE27522			
12/05/72	3704469	D225289	PP03262				
12/12/72	3705426	D225389	PP03267	RE27529			
12/19/72	3706101	D225489	PP03272			T905001	T905013
12/26/72	3707004	D225595	PP03277	RE27533			
01/02/73	3707729	D225695	PP03281				
01/09/73	3708799	D225793	PP03286	RE27540			
01/16/73	3710391	D225919	PP03291	RE27547			
01/23/73	3711864	D226051		RE27556			
01/30/73	3713174	D226152		RE27568			
02/06/73	3714668	D226251	PP03297	RE27569			
02/13/73	3715763	D226295	PP03302				
02/20/73	3716870	D226347	PP03306	RE27583			
02/27/73	3717882	D226362	PP03310	RE27585			
03/06/73	3718937	D226411	PP03314	RE27590			
03/13/73	3719954	D226461	PP03317	RE27597			
03/20/73	3720955	D226511		RE27601			
03/27/73	3721992	D226544				T908001	T908011
04/03/73	3723992	D226595		RE27606		T909001	T909012
04/10/73	3725953	D226643					
04/17/73	3727235	D226695		RE27615		T909013	T909024
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05/01/73	3729744	D226791	PP03321	RE27628		T910001	T910005
05/08/73	3731319	D226831	PP03326	RE27637		T910006	T910010
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05/29/73	3735418	D226995	PP03344	RE27644			
06/05/73	3736595	D227046	PP03350	RE27654		T911001	T911011
06/12/73	3737916	D227196	PP03355	RE27662			
06/19/73	3739397	D227318	PP03360	RE27673			
06/26/73	3740762	D227418	PP03365	RE27685		T911012	T911021
07/03/73	3742517	D227518		RE27690			
07/10/73	3744052	D227620				T912001	T912008
07/17/73	3745587	D227718		RE27696			
07/24/73	3747122	D227819	PP03370	RE27703		T912009	T912018
07/31/73	3748657	D227947	PP03378	RE27711			
08/07/73	3750192	D228047		RE27716			
08/14/73	3751727	D228103		RE27727		T913001	T913011
08/21/73	3753262	D228160	PP03385	RE27736			
08/28/73	3754284	D228211		RE27741			
09/04/73	3755819	D228264					
09/11/73	3757354	D228320		RE27747		T914001	T914010
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09/25/73	3760424	D228426					
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10/09/73	3763494	D228531		RE27775		T915001	T915008
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12/18/73	3778844	D229587		RE27841			
12/25/73	3780379	D229642		RE27848			
01/01/74	3781914	D229729	PP03413	RE27856		T918001	T918009
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01/15/74	3784984	D229877	PP03433	RE27881			
01/22/74	3786519	D229989	PP03443	RE27891		T918010	T918015
01/29/74	3787892	D230103	PP03453	RE27901			
02/05/74	3789427	D230224	PP03463	RE27909		T919001	T919004
02/12/74	3790962	D230331	PP03471	RE27916			
02/19/74	3792497	D230381	PP03481	RE27921			
02/26/74	3793643	D230436	PP03491	RE27928			
03/05/74	3795014	D230536	PP03501	RE27934		T920001	T920017
03/12/74	3795919	D230663	PP03511	RE27938			
03/19/74	3797039	D230783	PP03521	RE27941			
03/26/74	3798674	D230903	PP03531	RE27944			
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04/09/74	3801984	D231155	PP03538	RE27963		T921008	T921011
04/16/74	3803639	D231280		RE27969		T921012	T921023
04/23/74	3805244	D231417		RE27975		T921024	T921029
04/30/74	3806949	D231503		RE27991			
05/07/74	3808604	D231584	PP03541	RE28003		T922001	T922009
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06/04/74	3813694	D231716	PP03561	RE28027			
06/11/74	3815152	D231756	PP03566	RE28037			
06/18/74	3816852	D231810	PP03571	RE28044			
06/25/74	3818507	D231871	PP03576	RE28052			
06/28/74	3820162						
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07/09/74	3822417	D232007		RE28066			
07/16/74	3823417	D232058		RE28074			
07/23/74	3824625	D232134		RE28078			
07/30/74	3825952	D232200		RE28084			
08/06/74	3827084	D232276	PP03581	RE28096		T925001	T925009
08/13/74	3828364	D232330	PP03587	RE28109			
08/20/74	3829899	D232396	PP03593	RE28118			
08/27/74	3831200	D232496	PP03599	RE28132			
09/03/74	3832735	D232601	PP03604	RE28142		T926001	T926014
09/10/74	3833935	D232667	PP03611	RE28151			
09/17/74	3835470	D232785	PP03617	RE28158			
09/24/74	3837005	D232875	PP03621	RE28168			
10/01/74	3838466	D232982	PP03628	RE28176		T927001	T927012
10/08/74	3839738	D233085	PP03632	RE28188			
10/15/74	3840899	D233186	PP03637	RE28196			
10/22/74	3842434	D233275		RE28206			
10/29/74	3843969	D233379		RE28212			
11/05/74	3845504	D233489	PP03644	RE28221		T928001	T928006
11/12/74	3846844	D233573	PP03647	RE28236			
11/19/74	3848266	D233633	PP03653	RE28244			
11/26/74	3849801	D233707	PP03655	RE28250			

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12/03/74	3851336	D233805		RE28258		T929001	T929008
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12/17/74	3854146	D233918	PP03660	RE28273			
12/24/74	3855631	D233959	PP03670	RE28279			
12/31/74	3857116	D234013		RE28284			
01/07/75	3858241	D234033	PP03674	RE28292		T930001	T930007
01/14/75	3859666	D234063		RE28299			
01/21/75	3860966	D234099		RE28304			
01/28/75	3862451	D234168	PP03676	RE28317			
02/04/75	3863271	D234233	PP03678	RE28326		T931001	T931006
02/11/75	3864756	D234275	PP03682	RE28331			
02/18/75	3866241	D234329		RE28339			
02/25/75	3867726	D234379		RE28343			
03/04/75	3868726	D234411		RE28350		T932001	T932008
03/11/75	3869726	D234444	PP03688	RE28361			
03/18/75	3871026	D234474	PP03692	RE28364			
03/25/75	3872511	D234549	PP03694	RE28370			
04/01/75	3873996	D234649	PP03697	RE28380			
04/08/75	3875591	D234730	PP03700	RE28382			
04/15/75	3877076	D234836	PP03703	RE28389			
04/22/75	3878561	D234928	PP03706	RE28396			
04/29/75	3879761	D234983	PP03709	RE28399			
05/06/75	3881196	D235038	PP03713	RE28405		T934001	T934013
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05/20/75	3883896	D235118	PP03720	RE28421			
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06/24/75	3890646	D235489	PP03733				
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07/15/75	3894296	D235817	PP03742	RE28480			
07/22/75	3895396	D235937	PP03745	RE28486			
07/29/75	3896496	D236041	PP03748	RE28491			
08/05/75	3897596	D236171	PP03755	RE28501		T937001	T937006
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09/09/75	3903546	D236660	PP03779	RE28547			
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10/28/75	3914796	D237323	PP03795	RE28580			
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12/23/75	3927421	D238116	PP03818	RE28657			
12/30/75	3928871	D238216		RE28666			

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01/06/76	3930271	D238315		RE28671		T942001	T942010
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01/20/76	3932896	D238457	PP03824	RE28684			
01/27/76	3934271	D238520	PP03826	RE28694			
02/03/76	3935596	D238623	PP03828	RE28703		T943001	T943010
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02/24/76	3939496	D238908		RE28717			
03/02/76	3940801	D238982	PP03831	RE28726		T944001	T944010
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03/16/76	3943571	D239145	PP03841	RE28735			
03/23/76	3945041	D239215	PP03846	RE28740			
03/30/76	3946441	D239340	PP03851	RE28746			
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11/16/76	3991420	D242298	PP03973	RE29034			
11/23/76	3992720	D242399	PP03983	RE29041			
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12/21/76	3997920	D242746	PP03992	RE29083			
12/28/76	3999220	D242829	PP03999	RE29087			
01/04/77	4000520	D242881	PP04001	RE29095		T954001	T954012
01/11/77	4001894	D242961	PP04009	RE29105			
01/18/77	4003094	D243042	PP04010	RE29114			
01/25/77	4004294	D243126	PP04011	RE29120			
02/01/77	4005494	D243209	PP04013	RE29127		T955001	T955010

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Issue Date	1st Utility	1st Design	1st Plant	1st Reissue (**)	1st SIR	1st (***) DEF	Last (***) DEF
02/08/77	4006494	D243291	PP04015	RE29133			
02/15/77	4007494	D243371		RE29136			
02/22/77	4008494	D243421	PP04017	RE29139			
03/01/77	4009494	D243481	PP04019	RE29144		T956001	T956004
03/08/77	4010494	D243561	PP04021	RE29146			
03/15/77	4011594	D243641		RE29151			
03/22/77	4012794	D243721	PP04023	RE29155			
03/29/77	4014044	D243801	PP04026	RE29160			
04/05/77	4015294	D243891	PP04032	RE29167		T957001	T957010
04/12/77	4016604	D243976	PP04038	RE29175			
04/19/77	4017906	D244061	PP04042	RE29184			
04/26/77	4019207	D244106	PP04043	RE29192			
05/03/77	4020507	D244156	PP04046	RE29197		T958001	T958013
05/10/77	4021858	D244236	PP04049	RE29205			
05/17/77	4023209	D244321	PP04055	RE29219			
05/24/77	4024584	D244406		RE29227			
05/31/77	4025961	D244491	PP04056	RE29235			
06/07/77	4027339	D244566		RE29247		T959001	T959012
06/14/77	4028739	D244641	PP04059	RE29262			
06/21/77	4030139	D244726	PP04062	RE29267			
06/28/77	4031564	D244806	PP04065	RE29277			
07/05/77	4032989	D244886	PP04069	RE29287		T960001	T960004
07/12/77	4034416	D244966	PP04074	RE29297			
07/19/77	4035844	D245046	PP04078	RE29307			
07/26/77	4037272	D245126	PP04082	RE29317			
08/02/77	4038697	D245206	PP04086	RE29327		T961001	T961009
08/09/77	4040123	D245291	PP04090	RE29342			
08/16/77	4041549	D245376	PP04091	RE29352			
08/23/77	4042974	D245461	PP04093	RE29362			
08/30/77	4044399	D245546	PP04095	RE29372			
09/06/77	4045824	D245646	PP04097	RE29382		T962001	T962011
09/13/77	4047249	D245731	PP04101	RE29392			
09/20/77	4048674	D245816	PP04106	RE29402			
09/27/77	4050099	D245881	PP04111	RE29412			
10/04/77	4051552	D245946	PP04117	RE29422		T963001	T963004
10/11/77	4052752	D246011	PP04122	RE29432			
10/18/77	4053952	D246076	PP04127	RE29442			
10/25/77	4054952	D246141	PP04132	RE29452			
11/01/77	4055852	D246206	PP04138	RE29462		T964001	T964011
11/08/77	4056852	D246271	PP04143	RE29467			
11/15/77	4057852	D246336	PP04148	RE29471			
11/22/77	4058852	D246401	PP04153	RE29476			
11/29/77	4059852	D246486	PP04158	RE29481			
12/06/77	4060852	D246551	PP04161	RE29486		T965001	T965005
12/13/77	4062062	D246616	PP04163	RE29491			
12/20/77	4063312	D246681	PP04166	RE29496			
12/27/77	4064562	D246746	PP04169	RE29501			
01/03/78	4065812	D246811	PP04174	RE29506		T966001	T966013
01/10/78	4067062	D246876	PP04182	RE29511			
01/17/78	4068312	D246941	PP04187	RE29516			
01/24/78	4069512	D247006	PP04195	RE29521			
01/31/78	4070712	D247071	PP04202	RE29526			
02/07/78	4071912	D247136	PP04206	RE29531		T967001	T967010
02/14/78	4073014	D247201	PP04213	RE29536			
02/21/78	4074364	D247266	PP04216	RE29541			
02/28/78	4075714	D247331		RE29551			
03/07/78	4077064	D247396	PP04218	RE29561		T968001	T968002

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Issue Date	1st Utility	1st Design	1st Plant	1st Reissue (**)	1st SIR	1st (***) DEF	Last (***) DEF
03/14/78	4078264	D247461	PP04222	RE29571			
03/21/78	4079464	D247526	PP04225	RE29581			
03/28/78	4080664	D247591	PP04228	RE29591			
04/04/78	4081864	D247656	PP04232	RE29601		T969001	T969011
04/11/78	4083064	D247691	PP04237	RE29606			
04/18/78	4084264	D247726	PP04241	RE29611			
04/25/78	4085464	D247761	PP04243	RE29616			
05/02/78	4086664	D247796	PP04245	RE29620		T970001	T970008
05/09/78	4087864	D247831	PP04250	RE29624			
05/16/78	4089064	D247866	PP04251	RE29630			
05/23/78	4090264	D247931		RE29635			
05/30/78	4091464	D247996	PP04254	RE29643			
06/06/78	4092739	D248061	PP04258	RE29656		T971001	T971008
06/13/78	4094014	D248126	PP04262	RE29664			
06/20/78	4095289	D248191	PP04266	RE29671			
06/27/78	4096589	D248256	PP04271	RE29678			
07/04/78	4097929	D248341	PP04274	RE29686		T972001	T972003
07/11/78	4099269	D248426	PP04276	RE29694			
07/18/78	4100619	D248511	PP04280	RE29702			
07/25/78	4101979	D248596	PP04283	RE29706			
08/01/78	4103359	D248696	PP04286	RE29712		T973001	T973016
08/08/78	4104739	D248796	PP04289	RE29720			
08/15/78	4106119	D248896	PP04291	RE29728			
08/22/78	4107795	D248996		RE29736			
08/29/78	4109320	D249096	PP04295	RE29742			
09/05/78	4110845	D249196	PP04296	RE29750		T974001	T974003
09/12/78	4112521	D249296	PP04298	RE29757			
09/19/78	4114197	D249396	PP04302	RE29765			
09/26/78	4115873	D249596	PP04306	RE29777			
10/03/78	4117552	D249746		RE29789		T975001	T975004
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10/31/78	4122552	D250066	PP04326	RE29816			
11/07/78	4123802	D250146	PP04330	RE29822		T976001	T976003
11/14/78	4124902	D250226		RE29830			
11/21/78	4125902	D250296	PP04332	RE29838			
11/28/78	4126902	D250366	PP04335	RE29846			
12/05/78	4127902	D250436	PP04338	RE29854		T977001	T977009
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12/19/78	4129902	D250556	PP04348	RE29861			
12/26/78	4130902	D250616	PP04354	RE29869			
01/02/79	4131952	D250676	PP04360	RE29872		T978001	T978007
01/09/79	4133052	D250736		RE29877			
01/16/79	4134152	D250796	PP04365	RE29879			
01/23/79	4135252	D250856	PP04369	RE29887			
01/30/79	4136402	D250916	PP04371	RE29889			
02/06/79	4137572	D250976	PP04373	RE29897		T979001	T979008
02/13/79	4138742	D251036	PP04377	RE29904			
02/20/79	4139912	D251096	PP04381	RE29913			
02/27/79	4141082	D251156	PP04385	RE29919			
03/06/79	4142252	D251216	PP04390	RE29923		T980001	T980008
03/13/79	4143422	D251276	PP04394	RE29928			
03/20/79	4144592	D251336	PP04396	RE29936			
03/27/79	4145762	D251396	PP04400	RE29944			
04/03/79	4146932	D251456		RE29949		T981001	T981004
04/10/79	4148102	D251516	PP04402	RE29957			

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04/17/79	4149272	D251576	PP04407	RE29964			
04/24/79	4150442	D251636	PP04409	RE29972			
05/01/79	4151612	D251696		RE29977		T982001	T982004
05/08/79	4152782	D251756		RE29984			
05/15/79	4153952	D251816	PP04412	RE29993			
05/22/79	4155122	D251876	PP04418	RE30001			
05/29/79	4156292	D251936	PP04421	RE30009			
06/05/79	4156942	D251996	PP04423	RE30017		T983001	T983011
06/12/79	4157592	D252056	PP04424	RE30025			
06/19/79	4158242	D252116		RE30033			
06/26/79	4158892	D252176	PP04429	RE30038			
07/03/79	4159542	D252236		RE30040		T984001	T984007
07/10/79	4160292	D252296	PP04432	RE30042			
07/17/79	4161042	D252356	PP04437	RE30043			
07/24/79	4161792	D252416	PP04441	RE30049			
07/31/79	4162542	D252476	PP04444	RE30056			
08/07/79	4163292	D252536	PP04445	RE30062		T985001	T985006
08/14/79	4164042	D252596	PP04448	RE30070			
08/21/79	4164792	D252656	PP04451	RE30075			
08/28/79	4165542	D252716	PP04455	RE30083			
09/04/79	4166292	D252776	PP04458	RE30088		T986001	T986011
09/11/79	4167042	D252836	PP04459	RE30092			
09/18/79	4167792	D252896	PP04460	RE30096			
09/25/79	4168542	D252956	PP04461	RE30100			
10/02/79	4169292	D253016	PP04462	RE30104		T987001	T987004
10/09/79	4170042	D253076	PP04463	RE30108			
10/16/79	4170792	D253136	PP04464	RE30112			
10/23/79	4171542	D253196	PP04465	RE30120			
10/30/79	4172292	D253256	PP04470	RE30127			
11/06/79	4173042	D253316	PP04475	RE30135		T988001	T988010
11/13/79	4173792	D253376	PP04480	RE30143			
11/20/79	4174542	D253436	PP04485	RE30151			
11/27/79	4175292	D253496	PP04490	RE30159			
12/04/79	4176407	D253556				T989001	T989005
12/11/79	4177522	D253616		RE30162			
12/18/79	4178637	D253676		RE30167			
12/25/79	4179752	D253736		RE30175			
01/01/80	4180867	D253796				T990001	T990007
01/08/80	4181982	D253856	PP04491	RE30183			
01/15/80	4183097	D253916	PP04493	RE30188			
01/22/80	4184212	D253976	PP04495	RE30196			
01/29/80	4185327	D254036	PP04497	RE30198			
02/05/80	4186442	D254096	PP04499	RE30200			
02/12/80	4187557	D254156	PP04501	RE30208			
02/19/80	4188672	D254216	PP04503	RE30214			
02/26/80	4189787	D254276	PP04505	RE30221			
03/04/80	4190902	D254336	PP04507	RE30223		T991001	T991002
03/11/80	4192017	D254396	PP04509	RE30224			
03/18/80	4193132	D254456	PP04511	RE30230			
03/25/80	4194247	D254516	PP04513	RE30236			
04/01/80	4195362	D254576	PP04515	RE30242		T993001	T993006
04/08/80	4196477	D254636	PP04518	RE30250			
04/15/80	4197592	D254696	PP04520				
04/22/80	4198707	D254756	PP04522	RE30257			
04/29/80	4199822	D254816	PP04526	RE30261			
05/06/80	4200937	D254876	PP04530	RE30265		T994001	T994004
05/13/80	4202052	D254936	PP04534	RE30272			

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05/20/80	4203167	D254996	PP04536	RE30275			
05/27/80	4204232	D255056	PP04538	RE30281			
06/03/80	4205397	D255168		RE30289		T995001	T995007
06/10/80	4206512	D255280	PP04541	RE30299			
06/17/80	4207627	D255392	PP04546	RE30305			
06/24/80	4208742	D255504	PP04552	RE30311			
07/01/80	4209857	D255616	PP04558	RE30316		T996001	T996002
07/08/80	4210972	D255728	PP04564	RE30324			
07/15/80	4212087	D255840	PP04570	RE30332			
07/22/80	4213202	D255952	PP04576	RE30340			
07/29/80	4214317	D256064	PP04579	RE30348			
08/05/80	4215432	D256176		RE30356		T997001	T997004
08/12/80	4216547	D256288	PP04587	RE30364			
08/19/80	4217662	D256400	PP04588	RE30372			
08/26/80	4218777	D256512	PP04589	RE30380			
09/02/80	4219892	D256624	PP04590	RE30388		T998001	T998014
09/09/80	4221007	D256736	PP04591	RE30396			
09/16/80	4222122	D256848	PP04592	RE30403			
09/23/80	4223407	D256960	PP04593	RE30407			
09/30/80	4224692	D257072	PP04596	RE30408			
10/07/80	4225977	D257184	PP04599	RE30410		T999001	T999003
10/14/80	4227262	D257296	PP04601	RE30417			
10/21/80	4228547	D257408	PP04602	RE30418			
10/28/80	4229832	D257448	PP04603	RE30423			
11/04/80	4231117	D257471	PP04607	RE30424		T100001	T100001
11/11/80	4232402	D257496		RE30432			
11/18/80	4233687	D257521		RE30436			
11/25/80	4234972	D257546		RE30438			
12/02/80	4236257	D257571		RE30440			
12/09/80	4237557	D257596		RE30443			
12/16/80	4238857	D257621		RE30445			
12/23/80	4240157	D257646		RE30453			
12/30/80	4241457	D257696		RE30461			
01/06/81	4242757	D257746	PP04612	RE30469		T100201	T100204
01/13/81	4244057	D257796	PP04618	RE30475			
01/20/81	4245357	D257908	PP04624	RE30483			
01/27/81	4246657	D258020	PP04630	RE30491			
02/03/81	4247957	D258095	PP04636	RE30499		T100301	T100303
02/10/81	4249267	D258170	PP04642	RE30507			
02/17/81	4250577	D258245	PP04648	RE30515			
02/24/81	4251887	D258320	PP04654	RE30523			
03/03/81	4253197	D258395	PP04657	RE30531		T100401	T100405
03/10/81	4254507	D258470	PP04663	RE30539			
03/17/81	4255817	D258545	PP04669	RE30547			
03/24/81	4257127	D258620	PP04675	RE30549			
03/31/81	4258437	D258695	PP04678	RE30557			
04/07/81	4259747	D258770	PP04681	RE30565		T100501	T100505
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04/21/81	4262367	D258920	PP04693	RE30581			
04/28/81	4263677	D258995	PP04699	RE30589			
05/05/81	4264987	D259070	PP04705	RE30597		T100601	T100605
05/12/81	4266297	D259145	PP04711	RE30605			
05/19/81	4267607	D259220	PP04717	RE30613			
05/26/81	4268917	D259295	PP04723	RE30621			
06/02/81	4270227	D259370	PP04729	RE30629		T100701	T100701
06/09/81	4271537	D259445	PP04735	RE30637			
06/16/81	4271841	D259520	PP04741	RE30645			



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06/23/81	4274157	D259595	PP04746	RE30653			
06/30/81	4275467	D259670	PP04747	RE30656			
07/07/81	4276657	D259745		RE30664		T100801	T100805
07/14/81	4277847	D259820		RE30672			
07/21/81	4279037	D259895	PP04751	RE30680			
07/28/81	4280227	D259970	PP04754	RE30688			
08/04/81	4281417	D260045	PP04756	RE30693		T100901	T100904
08/11/81	4282607	D260120	PP04757	RE30701			
08/18/81	4283797	D260195	PP04758	RE30709			
08/25/81	4285067	D260320	PP04760	RE30717			
09/01/81	4286337	D260445	PP04762	RE30725		T101001	T101004
09/08/81	4287607	D260570	PP04764	RE30733			
09/15/81	4288877	D260695	PP04766	RE30741			
09/22/81	4290147	D260820	PP04767	RE30745			
09/29/81	4291417	D260945	PP04769	RE30749			
10/06/81	4292687	D261070	PP04772	RE30757		T101101	T101103
10/13/81	4293957	D261195	PP04775	RE30765			
10/20/81	4295227	D261320	PP04778	RE30774			
10/27/81	4296497	D261445	PP04781	RE30782			
11/03/81	4297746	D261570	PP04784	RE30786		T101201	T101206
11/10/81	4298991	D261695	PP04787	RE30790			
11/17/81	4300240	D261820	PP04790	RE30794			
11/24/81	4301544	D261945	PP04793	RE30801			
12/01/81	4302847	D262070		RE30807		T101301	T101305
12/08/81	4304005	D262155		RE30814			
12/15/81	4305160	D262240		RE30822			
12/22/81	4306315	D262325		RE30827			
12/29/81	4307470	D262410		RE30833			
01/05/82	4308622	D262495		RE30840		T101401	T101402
01/12/82	4309774	D262580		RE30844			
01/19/82	4310925	D262665	PP04796	RE30848			
01/26/82	4312076	D262750	PP04811	RE30853			
02/02/82	4313229	D262835	PP04819	RE30857		T101501	T101501
02/09/82	4314379	D262920	PP04822	RE30861			
02/16/82	4315334	D263005	PP04824	RE30865			
02/23/82	4316286	D263090	PP04826	RE30869			
03/02/82	4317237	D263175	PP04828	RE30873		T101601	T101601
03/09/82	4318189	D263260	PP04829	RE30877			
03/16/82	4319361	D263345	PP04830	RE30881			
03/23/82	4320537	D263431	PP04831	RE30885			
03/30/82	4321708	D263515	PP04832	RE30889			
04/06/82	4322858	D263640	PP04835	RE30893		T101701	T101702
04/13/82	4324003	D263765	PP04837	RE30899			
04/20/82	4325148	D263890	PP04839	RE30905			
04/27/82	4326299	D264015	PP04841	RE30912			
05/04/82	4327447	D264140	PP04843	RE30918		T101801	T101805
05/11/82	4328592	D264265	PP04845	RE30924			
05/18/82	4329741	D264390	PP04847	RE30930			
05/25/82	4330887	D264515	PP04849	RE30940			
06/01/82	4332033	D264640	PP04853	RE30950		T101901	T101903
06/08/82	4333179	D264765	PP04855	RE30958			
06/15/82	4334325	D264890	PP04857	RE30966			
06/22/82	4335471	D265015	PP04859	RE30975			
06/29/82	4336617	D265140	PP04861	RE30980			
07/06/82	4337539	D265265	PP04863	RE30988		T102001	T102004
07/13/82	4338685	D265350	PP04865	RE30992			
07/20/82	4339830	D265435	PP04867	RE30996			

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07/27/82	4340976	D265520	PP04869	RE31000			
08/03/82	4342121	D265605	PP04871	RE31004		T102101	T102104
08/10/82	4343044	D265690	PP04873	RE31007			
08/17/82	4344189	D265775	PP04876	RE31011			
08/24/82	4345355	D265860	PP04879	RE31015			
08/31/82	4346481	D265945	PP04882	RE31019			
09/07/82	4347629	D266030	PP04884	RE31023		T102201	T102201
09/14/82	4348774	D266115	PP04886	RE31027			
09/21/82	4349920	D266200	PP04888	RE31032			
09/28/82	4351065	D266285	PP04890	RE31040			
10/05/82	4352211	D266370	PP04892	RE31045		T102301	T102303
10/12/82	4353133	D266455	PP04894	RE31052			
10/19/82	4354279	D266540	PP04896	RE31058			
10/26/82	4355424	D266625	PP04898	RE31063			
11/02/82	4356569	D266710	PP04910	RE31070		T102401	T102402
11/09/82	4357714	D266795	PP04922	RE31074			
11/16/82	4358859	D266880	PP04939	RE31079			
11/23/82	4359783	D266965	PP04953	RE31084			
11/30/82	4360930	D267050	PP04959	RE31090			
12/07/82	4361912	D267128	PP04961	RE31095		T102501	T102503
12/14/82	4363140	D267206	PP04964	RE31100			
12/21/82	4364123	D267284	PP04966	RE31105			
12/28/82	4365351	D267362	PP04968	RE31110			
01/04/83	4366579	D267440	PP04970	RE31115		T102601	T102603
01/11/83	4367561	D267518	PP04972	RE31120			
01/18/83	4368544	D267596	PP04974	RE31125			
01/25/83	4369526	D267674	PP04977	RE31130			
02/01/83	4370754	D267752	PP04979	RE31135		T102701	T102701
02/08/83	4371983	D267830	PP04980	RE31140			
02/15/83	4373211	D267908	PP04982	RE31148			
02/22/83	4374439	D267986	PP04984	RE31154			
03/01/83	4375107	D268064	PP04986	RE31161		T102801	T102801
03/08/83	4375702	D268142	PP04988	RE31167			
03/15/83	4376312	D268220	PP04990	RE31173			
03/22/83	4377007	D268298	PP05000	RE31183			
03/29/83	4377872	D268376	PP05011	RE31189			
04/05/83	4378606	D268454	PP05020	RE31195		T102901	T102909
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04/19/83	4380090	D268624	PP05040	RE31209			
04/26/83	4380833	D268709	PP05042	RE31217			
05/03/83	4381567	D268794	PP05044	RE31224		T103001	T103002
05/10/83	4382301	D268879	PP05049	RE31232			
05/17/83	4383335	D268964	PP05053	RE31240			
05/24/83	4384369	D269049	PP05055	RE31248			
05/31/83	4385403	D269134	PP05056	RE31256			
06/07/83	4386437	D269219	PP05058	RE31264			
06/14/83	4387471	D269304	PP05060	RE31272			
06/21/83	4388733	D269389	PP05062	RE31280			
06/28/83	4389733	D269474	PP05063	RE31288			
07/05/83	4390995	D269559	PP05065	RE31296		T103201	T103206
07/12/83	4392257	D269644	PP05067	RE31304			
07/19/83	4393519	D269729	PP05069	RE31312			
07/26/83	4394781	D269824	PP05073	RE31320			
08/02/83	4395781	D269919	PP05077	RE31328		T103301	T103302
08/09/83	4397043	D270014	PP05081	RE31336			
08/16/83	4398305	D270109	PP05085	RE31344			
08/23/83	4399567	D270204	PP05089	RE31352			

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08/30/83	4400829	D270299	PP05093	RE31360			
09/06/83	4402091	D270394	PP05097	RE31368		T103401	T103403
09/13/83	4403353	D270489	PP05101	RE31376			
09/20/83	4404687	D270584	PP05105	RE31384			
09/27/83	4406021	D270679	PP05109	RE31392			
10/04/83	4407021	D270774	PP05113	RE31400		T103501	T103501
10/11/83	4408355	D270869	PP05117	RE31408			
10/18/83	4409689	D270964	PP05121	RE31416			
10/25/83	4411023	D271059	PP05125	RE31424			
11/01/83	4412357	D271154	PP05129	RE31432		T103601	T103603
11/08/83	4413357	D271249	PP05133	RE31438			
11/15/83	4414691	D271344	PP05137	RE31439			
11/22/83	4416025	D271439	PP05141	RE31445			
11/29/83	4417359	D271534	PP05145	RE31450			
12/06/83	4418431	D271629	PP05151	RE31453		T103701	T103703
12/13/83	4419771	D271724	PP05155	RE31461			
12/20/83	4420843	D271819	PP05159	RE31464			
12/27/83	4422183	D271914	PP05164	RE31471			
01/03/84	4423523	D272009	PP05168	RE31479		T103801	T103803
01/10/84	4424595	D272104	PP05172	RE31487			
01/17/84	4425667	D272199	PP05176	RE31495			
01/24/84	4426739	D272294	PP05180	RE31503			
01/31/84	4428079	D272389	PP05184	RE31511			
02/07/84	4429419	D272484	PP05188	RE31515		T103901	T103903
02/14/84	4430759	D272579	PP05189	RE31520			
02/21/84	4432099	D272674	PP05193	RE31524			
02/28/84	4433439	D272769	PP05195	RE31525			
03/06/84	4434511	D272864	PP05199	RE31527		T104001	T104004
03/13/84	4435851	D272959	PP05203	RE31535			
03/20/84	4437191	D273054	PP05207	RE31538			
03/27/84	4438531	D273149	PP05210	RE31541			
04/03/84	4439871	D273244	PP05213	RE31546		T104101	T104102
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04/17/84	4442551	D273434	PP05219	RE31553			
04/24/84	4443891	D273529	PP05222	RE31561			
05/01/84	4445231	D273624	PP05225	RE31569		T104201	T104201
05/08/84	4446571	D273719	PP05228	RE31581			
05/15/84	4447911	D273814	PP05231	RE31584			
05/22/84	4449251	D273909	PP05234	RE31587			
05/29/84	4450591	D274004	PP05237	RE31590			
06/05/84	4451931	D274099	PP05240	RE31593		T104301	T104305
06/12/84	4453271	D274194	PP05243	RE31599			
06/19/84	4454611	D274289	PP05246	RE31602			
06/26/84	4455683	D274478	PP05249	RE31610			
07/03/84	4457023	D274479	PP05252	RE31618		T104401	T104402
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07/24/84	4461043	D274764	PP05261	RE31633			
07/31/84	4462115	D274859	PP05264	RE31636			
08/07/84	4463455	D274954	PP05267	RE31640		T104501	T104502
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08/21/84	4466135	D275144	PP05272	RE31648			
08/28/84	4467475	D275239	PP05274	RE31652			
09/04/84	4468815	D275334	PP05277	RE31656		T104601	T104601
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09/18/84	4471495	D275524	PP05283	RE31673			
09/25/84	4472835	D275619	PP05286	RE31681			

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10/02/84	4473907	D275714	PP05287	RE31689		T104701	T104701
10/09/84	4475247	D275809	PP05290	RE31697			
10/16/84	4476587	D275904	PP05293	RE31705			
10/23/84	4477927	D275999	PP05296	RE31709			
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11/06/84	4480339	D276189	PP05318	RE31721		T104801	T104803
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11/20/84	4483019	D276379	PP05340	RE31737			
11/27/84	4484359	D276474	PP05356	RE31745			
12/04/84	4485489	D276569	PP05360	RE31751		T104901	T104904
12/11/84	4486901	D276664	PP05364	RE31759			
12/18/84	4488313	D276759	PP05368	RE31767			
12/25/84	4489443	D276854	PP05376	RE31775			
01/01/85	4490855	D276949	PP05380	RE31783		T105001	T105002
01/08/85	4491985	D277044	PP05384	RE31791			
01/15/85	4493115	D277139	PP05388	RE31799			
01/22/85	4494245	D277234	PP05392	RE31807			
01/29/85	4495657	D277329	PP05396	RE31815			
02/05/85	4497069	D277424	PP05400	RE31821		T105101	T105101
02/12/85	4498199	D277519	PP05404	RE31829			
02/19/85	4499611	D277614	PP05406	RE31833			
02/26/85	4501023	D277709	PP05407	RE31837			
03/05/85	4502153	D277804	PP05410	RE31841		T105201	T105202
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03/19/85	4504977	D277994	PP05418	RE31849			
03/26/85	4506389	D278089	PP05421	RE31853			
04/02/85	4507801	D278184	PP05424	RE31857		T105301	T105302
04/09/85	4509213	D278279	PP05430	RE31861			
04/16/85	4510625	D278375	PP05436	RE31865			
04/23/85	4512037	D278470	PP05442	RE31869			
04/30/85	4513449	D278565	PP05448	RE31873			
05/07/85	4514861	D278660	PP05458	RE31877		T105401	T105404
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05/28/85	4519097	D278945	PP05476	RE31897			
06/04/85	4520509	D279040	PP05482	RE31903		T105501	T105501
06/11/85	4521921	D279135	PP05488	RE31909			
06/18/85	4523333	D279230	PP05493	RE31914			
06/25/85	4524463	D279325	PP05498	RE31920			
07/02/85	4525785	D279420	PP05503	RE31930		T105601	T105605
07/09/85	4527287	D279515	PP05508	RE31938			
07/16/85	4528699	D279620	PP05513	RE31944			
07/23/85	4530111	D279725	PP05518	RE31952			
07/30/85	4531241	D279830	PP05522	RE31955			
08/06/85	4532653	D279935	PP05527	RE31963		T105701	T105707
08/13/85	4534065	D280040	PP05532	RE31967			
08/20/85	4535477	D280145	PP05537	RE31971			
08/27/85	4536889	D280250	PP05542	RE31974			
09/03/85	4538301	D280355	PP05547	RE31978			
09/10/85	4539713	D280460	PP05552	RE31981			
09/17/85	4541125	D280565	PP05557	RE31984			
09/24/85	4542537	D280670	PP05560	RE31988			
10/01/85	4543667	D280775	PP05564	RE31993		T105901	T105901
10/08/85	4545079	D280860	PP05569	RE31998			
10/15/85	4546491	D280945	PP05572	RE32002			
10/22/85	4547903	D281030	PP05576	RE32008			
10/29/85	4549315	D281115	PP05577	RE32013			

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11/05/85	4550445	D281200	PP05579	RE32017		T106001	T106002
11/12/85	4551857	D281285	PP05581	RE32025			
11/19/85	4553269	D281370		RE32031			
11/26/85	4554681	D281455		RE32036			
12/03/85	4555811	D281540	PP05582	RE32042	H000001	T106101	T106101
12/10/85	4556991	D281636	PP05590	RE32045			
12/17/85	4558466	D281732	PP05598	RE32047			
12/24/85	4559646	D281828	PP05606	RE32052			
12/31/85	4561121	D281924	PP05614	RE32057			
01/07/86	4562596	D282020	PP05622	RE32061	H000007		
01/14/86	4563776	D282116	PP05630	RE32062			
01/21/86	4564956	D282212	PP05637	RE32066			
01/28/86	4566136	D282308	PP05645	RE32072			
02/04/86	4567611	D282404	PP05653	RE32076	H000017		
02/11/86	4569086	D282500	PP05658	RE32080			
02/18/86	4570266	D282596	PP05662	RE32083			
02/25/86	4571741	D282692	PP05670	RE32085			
03/04/86	4573216	D282788	PP05676	RE32089	H000029	T106201	T106202
03/11/86	4574396	D282884	PP05683	RE32091			
03/18/86	4575871	D282980	PP05690	RE32092			
03/25/86	4577346	D283076	PP05697	RE32094			
04/01/86	4578821	D283172	PP05702	RE32100	H000040		
04/08/86	4580296	D283268	PP05709	RE32106			
04/15/86	4581771	D283364	PP05715	RE32109			
04/22/86	4583246	D283460	PP05722	RE32117			
04/29/86	4584721	D283556	PP05728	RE32125			
05/06/86	4586196	D283652	PP05734	RE32133	H000055		
05/13/86	4587671	D283748	PP05741	RE32141			
05/20/86	4589146	D283844		RE32149			
05/27/86	4590621	D283940		RE32157			
06/03/86	4592096	D284036		RE32165	H000069		
06/10/86	4593415	D284132		RE32173			
06/17/86	4594734	D284228	PP05749	RE32181			
06/24/86	4596053	D284324	PP05752	RE32189			
07/01/86	4597108	D284420	PP05756	RE32195	H000076	T106801	T106801
07/08/86	4598427	D284516	PP05760	RE32197			
07/15/86	4599746	D284612	PP05764	RE32202			
07/22/86	4601065	D284708	PP05768	RE32210			
07/29/86	4602384	D284804	PP05774	RE32216			
08/05/86	4603439	D284900	PP05776	RE32219	H000096		
08/12/86	4604758	D285020	PP05778	RE32221			
08/19/86	4606077	D285140	PP05782	RE32227			
08/26/86	4607396	D285260	PP05787	RE32229			
09/02/86	4608715	D285380		RE32237	H000116	T107001	T107001
09/09/86	4610034	D285500		RE32241			
09/16/86	4611353	D285620		RE32247			
09/23/86	4612672	D285740		RE32249			
09/30/86	4613991	D285860		RE32253			
10/07/86	4615046	D285980		RE32257	H000136		
10/14/86	4616365	D286100		RE32264			
10/21/86	4617684	D286220	PP05791	RE32266			
10/28/86	4619003	D286340	PP05794	RE32269			
11/04/86	4620322	D286460	PP05795	RE32273	H000147		
11/11/86	4621377	D286580	PP05799	RE32280			
11/18/86	4622696	D286700	PP05800	RE32287			
11/25/86	4624015	D286820	PP05808	RE32292			
12/02/86	4625334	D286940	PP05813	RE32297	H000167		

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12/09/86	4627108	D287060	PP05820	RE32301			
12/16/86	4628543	D287180	PP05827	RE32304			
12/23/86	4630317	D287300	PP05835	RE32312			
12/30/86	4631752	D287420	PP05841	RE32315			
01/06/87	4633526	D287540	PP05846	RE32323	H000182		
01/13/87	4635300	D287660	PP05849	RE32328			
01/20/87	4637074	D287780	PP05857	RE32332			
01/27/87	4638509	D287900	PP05864	RE32335			
02/03/87	4639944	D288020	PP05870	RE32343	H000202		
02/10/87	4641379	D288140	PP05874	RE32348			
02/17/87	4642814	D288260	PP05880	RE32351			
02/24/87	4644588	D288380	PP05887	RE32359			
03/03/87	4646362	D288500	PP05893	RE32365	H000222		
03/10/87	4648136	D288620	PP05895	RE32367			
03/17/87	4649571	D288740	PP05901	RE32371			
03/24/87	4651345	D288860	PP05909	RE32377			
03/31/87	4653119	D288980	PP05916	RE32382			
04/07/87	4654893	D289100	PP05925	RE32389	H000242		
04/14/87	4656667	D289220	PP05937	RE32394			
04/21/87	4658441	D289340	PP05947	RE32402			
04/28/87	4660223	D289460	PP05956	RE32407			
05/05/87	4662005	D289580	PP05967	RE32410	H000262	T107801	T107801
05/12/87	4663779	D289700	PP05975	RE32412			
05/19/87	4665561	D289820	PP05987	RE32420			
05/26/87	4667343	D289940		RE32424			
06/02/87	4669125	D290060		RE32429	H000278		
06/09/87	4670907	D290180		RE32433			
06/16/87	4672689	D290300		RE32438			
06/23/87	4674130	D290420		RE32441			
06/30/87	4675912	D290540		RE32445			
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07/14/87	4679253	D290780		RE32458			
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07/28/87	4682371	D291020		RE32463			
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08/11/87	4685151	D291260		RE32469			
08/18/87	4686710	D291380		RE32475			
08/25/87	4688269	D291500		RE32481			
09/01/87	4689828	D291620	PP05998	RE32486	H000323		
09/08/87	4691387	D291740	PP06005	RE32494			
09/15/87	4692946	D291840	PP06010	RE32500			
09/22/87	4694505	D291940	PP06017	RE32506			
09/29/87	4696064	D292040	PP06024	RE32509			
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10/20/87	4700403	D292340	PP06039	RE32522			
10/27/87	4701962	D292440	PP06043	RE32528			
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11/10/87	4704742	D292640		RE32538			
11/17/87	4706301	D292740		RE32545			
11/24/87	4707860	D292840		RE32546			
12/01/87	4709419	D292940	PP06047	RE32551	H000376		
12/08/87	4710978	D293040	PP06053	RE32553			
12/15/87	4712251	D293155	PP06060	RE32558			
12/22/87	4713842	D293270	PP06063	RE32565			
12/29/87	4715066	D293385	PP06068	RE32566			
01/05/88	4716594	D293500	PP06075	RE32569	H000396		

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01/12/88	4718122	D293615	PP06080	RE32575			
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01/26/88	4720874	D293845	PP06087	RE32582			
02/02/88	4722098	D293960	PP06091	RE32585	H000418		
02/09/88	4723322	D294075	PP06099	RE32591			
02/16/88	4724546	D294190	PP06105	RE32599			
02/23/88	4726074	D294305	PP06111	RE32607			
03/01/88	4727602	D294420	PP06117	RE32614	H000438		
03/08/88	4729130	D294535	PP06121	RE32619			
03/15/88	4730354	D294650	PP06127	RE32621			
03/22/88	4731882	D294765	PP06132	RE32626			
03/29/88	4733410	D294880	PP06135	RE32629			
04/05/88	4734938	D294995	PP06142	RE32635	H000451		
04/12/88	4736466	D295110	PP06146	RE32638			
04/19/88	4737994	D295225	PP06151	RE32646			
04/26/88	4739522	D295340	PP06158	RE32650			
05/03/88	4741050	D295455	PP06163	RE32658	H000463		
05/10/88	4742578	D295570	PP06170	RE32664			
05/17/88	4744106	D295685	PP06177	RE32665			
05/24/88	4745634	D295800	PP06183	RE32670			
05/31/88	4747162	D295915	PP06188	RE32678			
06/07/88	4748690	D296030	PP06194	RE32687	H000473		
06/14/88	4750218	D296145	PP06198	RE32693			
06/21/88	4751746	D296260	PP06205	RE32697			
06/28/88	4752970	D296375	PP06212	RE32703			
07/05/88	4754498	D296490	PP06213	RE32706	H000485	T109201	T109201
07/12/88	4756026	D296605	PP06217	RE32710			
07/19/88	4757554	D296720	PP06224	RE32714			
07/26/88	4759082	D296835	PP06229	RE32718			
08/02/88	4760610	D296950	PP06236	RE32722	H000500		
08/09/88	4761834	D297065	PP06243	RE32726			
08/16/88	4763362	D297180	PP06247	RE32730			
08/23/88	4764985	D297280	PP06254	RE32734			
08/30/88	4766608	D297380	PP06261	RE32738			
09/06/88	4768231	D297480	PP06268	RE32742	H000516		
09/13/88	4769854	D297580	PP06281	RE32746			
09/20/88	4771477	D297680	PP06294	RE32750			
09/27/88	4773100	D297780	PP06305	RE32754			
10/04/88	4774723	D297880	PP06315	RE32758	H000528		
10/11/88	4776042	D297980	PP06326	RE32762			
10/18/88	4777665	D298080	PP06338	RE32766			
10/25/88	4779288	D298180	PP06347	RE32770			
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11/08/88	4782534	D298380	PP06373	RE32778			
11/15/88	4783853	D298480	PP06389	RE32782			
11/22/88	4785476	D298580	PP06405	RE32786			
11/29/88	4787099	D298680	PP06421	RE32790			
12/06/88	4788722	D298780	PP06437	RE32794	H000549		
12/13/88	4790031	D298880	PP06453	RE32798			
12/20/88	4791681	D298980	PP06469	RE32802			
12/27/88	4793001	D299080	PP06485	RE32806			
01/03/89	4794652	D299180	PP06501	RE32814	H000563		
01/10/89	4796302	D299280	PP06517	RE32822			
01/17/89	4797952	D299380	PP06533	RE32830			
01/24/89	4799272	D299480	PP06549	RE32838			
01/31/89	4800592	D299580	PP06565	RE32846			
02/07/89	4802242	D299680	PP06581	RE32854	H000571		

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02/14/89	4803740	D299780	PP06597	RE32862			
02/21/89	4805238	D299880	PP06613	RE32870			
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03/21/89	4813079	D300280	PP06667	RE32890			
03/28/89	4815144	D300380	PP06693	RE32894			
04/04/89	4817209	D300480	PP06709	RE32898	H000611		
04/11/89	4819274	D300580	PP06725	RE32902			
04/18/89	4821339	D300680	PP06738	RE32906			
04/25/89	4823404	D300780	PP06749	RE32910			
05/02/89	4825469	D300880	PP06765	RE32914	H000631		
05/09/89	4827534	D300980	PP06781	RE32918			
05/16/89	4829599	D301080	PP06797	RE32922			
05/23/89	4831664	D301180	PP06807	RE32926			
05/30/89	4833729	D301280	PP06817	RE32930			
06/06/89	4835794	D301380	PP06827	RE32938	H000633		
06/13/89	4837859	D301518	PP06843	RE32946			
06/20/89	4839924	D301656	PP06859	RE32954			
06/27/89	4841576	D301794	PP06875	RE32962			
07/04/89	4843641	D301932	PP06891	RE32970	H000647		
07/11/89	4845777	D302070	PP06907	RE32978			
07/18/89	4847913	D302208	PP06923	RE32986			
07/25/89	4850049	D302346	PP06939	RE32994			
08/01/89	4852185	D302484	PP06955	RE33002	H000657		
08/08/89	4853973	D302622	PP06971	RE33010			
08/15/89	4856109	D302760	PP06981	RE33018			
08/22/89	4858245	D302898	PP06991	RE33026			
08/29/89	4860381	D303036	PP07001	RE33034			
09/05/89	4862517	D303174	PP07011	RE33042	H000667		
09/12/89	4864653	D303312	PP07021	RE33050			
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10/17/89	4873725	D303995	PP07047	RE33090			
10/24/89	4875235	D304125	PP07049	RE33098			
10/31/89	4876745	D304255	PP07051	RE33102			
11/07/89	4878255	D304385	PP07053	RE33106	H000697		
11/14/89	4879765	D304515	PP07055	RE33110			
11/21/89	4881275	D304645	PP07057	RE33114			
11/28/89	4882785	D304775	PP07059	RE33118			
12/05/89	4884295	D304875	PP07061	RE33122	H000715		
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12/19/89	4887315	D305075	PP07075	RE33130			
12/26/89	4888825	D305175	PP07082	RE33134			
01/02/90	4890335	D305275	PP07089	RE33138	H000720		
01/09/90	4891845	D305375	PP07096	RE33142			
01/16/90	4893355	D305475	PP07106	RE33146			
01/23/90	4894865	D305575	PP07116	RE33150			
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02/06/90	4897885	D305825	PP07136	RE33158	H000728		
02/13/90	4899395	D305950	PP07146	RE33162			
02/20/90	4901370	D306090	PP07156	RE33166			
02/27/90	4903345	D306230	PP07166	RE33170			
03/06/90	4905320	D306370	PP07176	RE33174	H000748		
03/13/90	4907295	D306510	PP07186	RE33178			



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03/20/90	4908877	D306650	PP07196	RE33182			
03/27/90	4910802	D306790	PP07202	RE33186			
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05/08/90	4922550	D307660	PP07226	RE33210			
05/15/90	4924525	D307815	PP07228	RE33214			
05/22/90	4926501	D307970	PP07232	RE33218			
05/29/90	4928320	D308125	PP07236	RE33222			
06/05/90	4930161	D308280	PP07240	RE33226	H000783		
06/12/90	4932076	D308435	PP07244	RE33230			
06/19/90	4933991	D308590	PP07248	RE33234			
06/26/90	4935964	D308745	PP07252	RE33238			
07/03/90	4937879	D308900	PP07258	RE33246	H000793		
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07/17/90	4941209	D309210	PP07270	RE33262			
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07/31/90	4944039	D309520	PP07282	RE33282			
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08/28/90	4951316	D310130	PP07306	RE33310			
09/04/90	4953231	D310285	PP07312	RE33318	H000813		
09/11/90	4955087	D310440	PP07319	RE33326			
09/18/90	4956878	D310595	PP07326	RE33334			
09/25/90	4958383	D310750	PP07333	RE33346			
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10/16/90	4962546	D311265	PP07354	RE33382			
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11/20/90	4970728	D312165	PP07381	RE33442			
11/27/90	4972520	D312345	PP07384	RE33454			
12/04/90	4974262	D312525	PP07387	RE33466	H000853		
12/11/90	4975980	D312719	PP07390	RE33478			
12/18/90	4977621	D312913	PP07396	RE33490			
12/25/90	4979236	D313107	PP07402	RE33501			
01/01/91	4980927	D313301	PP07408	RE33510	H000863		
01/08/91	4982447	D313495	PP07414	RE33514			
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01/29/91	4987608	D314077	PP07430	RE33526			
02/05/91	4989265	D314271	PP07436	RE33530	H000883		
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02/26/91	4995114	D314853	PP07454	RE33542			
03/05/91	4996720	D315047	PP07460	RE33546	H000892		
03/12/91	4998296	D315241	PP07466	RE33550			
03/19/91	4999845	D315435	PP07472	RE33554			
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04/02/91	5003630	D315823	PP07484	RE33562	H000902		
04/09/91	5005214	D315978	PP07490	RE33566			
04/16/91	5007108	D316172	PP07496	RE33570			

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04/23/91	5008959	D316322	PP07502	RE33574			
04/30/91	5010589	D316472	PP07508	RE33578			
05/07/91	5012525	D316622	PP07514	RE33582	H000911		
05/14/91	5014353	D316772	PP07520	RE33586			
05/21/91	5016284	D316922	PP07526	RE33590			
05/28/91	5018220	D317072	PP07532	RE33594			
06/04/91	5020156	D317222	PP07540	RE33600	H000923		
06/11/91	5022092	D317372	PP07548	RE33606			
06/18/91	5023952	D317522	PP07556	RE33612			
06/25/91	5025501	D317672	PP07564	RE33618			
07/02/91	5027437	D317822	PP07572	RE33624	H000932		
07/09/91	5029341	D317972	PP07580	RE33630			
07/16/91	5031237	D318166	PP07588	RE33636			
07/23/91	5033115	D318360	PP07596	RE33642			
07/30/91	5034998	D318554	PP07604	RE33648			
08/06/91	5036547	D318748	PP07612	RE33654	H000940		
08/13/91	5038407	D318942	PP07617	RE33660			
08/20/91	5040243	D319136	PP07621	RE33666			
08/27/91	5042087	D319330	PP07629	RE33672			
09/03/91	5044011	D319524	PP07637	RE33678	H000959		
09/10/91	5046191	D319718	PP07644	RE33684			
09/17/91	5048121	D319912	PP07650	RE33690			
09/24/91	5050240	D320106	PP07655	RE33696			
10/01/91	5052052	D320300	PP07658	RE33702	H000968		
10/08/91	5054121	D320494	PP07666	RE33708			
10/15/91	5056155	D320688	PP07674	RE33714			
10/22/91	5058207	D320882	PP07681	RE33720			
10/29/91	5060313	D321076	PP07688	RE33726			
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11/12/91	5063613	D321425	PP07706	RE33738			
11/19/91	5065457	D321580	PP07714	RE33744			
11/26/91	5067174	D321774	PP07717	RE33750			
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12/10/91	5070540	D322148	PP07737	RE33762			
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12/24/91	5073984	D322503	PP07753	RE33774			
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01/14/92	5079775	D323053	PP07765	RE33792			
01/21/92	5081714	D323232	PP07769	RE33798			
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02/11/92	5086514	D323732	PP07783	RE33816			
02/18/92	5088114	D323918	PP07791	RE33822			
02/25/92	5090053	D324123	PP07803	RE33828			
03/03/92	5091992	D324288	PP07811	RE33834	H001023		
03/10/92	5093931	D324445	PP07819	RE33840			
03/17/92	5095544	D324601	PP07826	RE33846			
03/24/92	5097534	D324752	PP07834	RE33852			
03/31/92	5099523	D324934	PP07843	RE33860			
04/07/92	5101511	D325112	PP07851	RE33868	H001036		
04/14/92	5103500	D325283	PP07853	RE33878			
04/21/92	5105473	D325457	PP07857	RE33888			
04/28/92	5107542	D325662	PP07858	RE33898			
05/05/92	5109546	D325804	PP07860	RE33908	H001045		
05/12/92	5111536	D326009	PP07864	RE33918			
05/19/92	5113526	D326177	PP07868	RE33926			

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05/26/92	5115516	D326348	PP07872	RE33934			
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06/16/92	5121505	D326948	PP07884	RE33958			
06/23/92	5123113	D327153	PP07888	RE33966			
06/30/92	5125113	D327358	PP07894	RE33981			
07/07/92	5127105	D327563	PP07900	RE33982	H001068		
07/14/92	5129101	D327768	PP07906	RE33990			
07/21/92	5131093	D327973	PP07914	RE33998			
07/28/92	5133084	D328178	PP07922	RE34006			
08/04/92	5134725	D328383	PP07928	RE34014	H001082		
08/11/92	5136721	D328514	PP07932	RE34022			
08/18/92	5138714	D328664	PP07940	RE34030			
08/25/92	5140707	D328814	PP07948	RE34038			
09/01/92	5142702	D328964	PP07956	RE34046	H001098		
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01/19/93	5179735	D332514	PP08102	RE34165			
01/26/93	5181274	D332686	PP08114	RE34166			
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02/16/93	5185889	D333202	PP08141	RE34178			
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03/02/93	5189735	D333546	PP08163	RE34186	H001144		
03/09/93	5191658	D333718	PP08169	RE34190			
03/16/93	5193225	D333903	PP08175	RE34194			
03/23/93	5195187	D334088	PP08181	RE34198			
03/30/93	5197149	D334273	PP08187	RE34202			
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04/13/93	5201073	D334643	PP08199	RE34216			
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04/27/93	5204993	D335013	PP08211	RE34230			
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05/11/93	5208916	D335383	PP08223	RE34244			
05/18/93	5210877	D335568	PP08229	RE34252			
05/25/93	5212837	D335758	PP08235	RE34258			
06/01/93	5214797	D335943	PP08242	RE34266	H001190		
06/08/93	5216757	D336148	PP08248	RE34272			
06/15/93	5218718	D336353	PP08254	RE34280			
06/22/93	5220689	D336558	PP08266	RE34286			

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06/29/93	5222256	D336763	PP08277	RE34294			
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07/20/93	5228140	D337418	PP08308	RE34314			
07/27/93	5230100	D337643	PP08319	RE34322			
08/03/93	5231700	D337868	PP08331	RE34328			
08/10/93	5233703	D338093	PP08336	RE34336	H001214		
08/17/93	5235703	D338318	PP08346	RE34342			
08/24/93	5237703	D338543	PP08354	RE34350			
08/31/93	5239703	D338768	PP08355	RE34358			
09/07/93	5241703	D338993	PP08361	RE34366	H001224		
09/14/93	5243706	D339218	PP08369	RE34374			
09/21/93	5245706	D339443	PP08379	RE34381			
09/28/93	5247706	D339668	PP08390	RE34388			
10/05/93	5249306	D339893	PP08402	RE34395	H001234		
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10/19/93	5253364	D340343	PP08423	RE34409			
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01/25/94	5280652	D343493	PP08554	RE34517			
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02/08/94	5283908	D343943	PP08578	RE34533			
02/15/94	5285529	D344168	PP08590	RE34541			
02/22/94	5287559	D344393	PP08602	RE34549			
03/01/94	5289590	D344618	PP08614	RE34553	H001292		
03/08/94	5291616	D344843	PP08626	RE34557			
03/15/94	5293646	D345043	PP08638	RE34561			
03/22/94	5295267	D345243	PP08646	RE34565			
03/29/94	5297293	D345443	PP08658	RE34569			
04/05/94	5299323	D345643	PP08670	RE34573	H001296		
04/12/94	5301370	D345851	PP08677	RE34581			
04/19/94	5303423	D346059	PP08688	RE34585			
04/26/94	5305470	D346267	PP08700	RE34590			
05/03/94	5307521	D346475	PP08706	RE34595	H001305		
05/10/94	5309570	D346683	PP08718	RE34600			
05/17/94	5311617	D346891	PP08729	RE34608			
05/24/94	5313665	D347099	PP08741	RE34612			
05/31/94	5315712	D347307	PP08753	RE34620			
06/07/94	5317759	D347515	PP08765	RE34628	H001314		
06/14/94	5319806	D347723	PP08777	RE34636			
06/21/94	5321853	D347931	PP08789	RE34641			
06/28/94	5323490	D348139	PP08801	RE34645			
07/05/94	5325537	D348347	PP08813	RE34653	H001325		
07/12/94	5327585	D348555	PP08825	RE34657			
07/19/94	5329636	D348763	PP08837	RE34662			
07/26/94	5331683	D348971	PP08845	RE34670			

Table of issue dates and patent numbers, for patents issued since 1836 (\*)  
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Issue Date	1st Utility	1st Design	1st Plant	1st Reissue (**)	1st SIR	1st (***) Last (***) DEF
08/02/94	5333321	D349179	PP08850	RE34678	H001341	
08/09/94	5335370	D349387	PP08856	RE34686		
08/16/94	5337417	D349595	PP08861	RE34694		
08/23/94	5339464	D349803	PP08867	RE34699		
08/30/94	5341511	D350011	PP08871	RE34707		
09/06/94	5343561	D350219	PP08878	RE34715	H001348	
09/13/94	5345608	D350427	PP08887	RE34723		
09/20/94	5347655	D350635	PP08899	RE34731		
09/27/94	5349702	D350843	PP08910	RE34738		
10/04/94	5351339	D351051	PP08918	RE34746	H001360	
10/11/94	5353437	D351271	PP08930	RE34754		
10/18/94	5355535	D351491	PP08940	RE34757		
10/25/94	5357633	D351711	PP08952	RE34763		
11/01/94	5359731	D351931	PP08964	RE34769	H001365	
11/08/94	5361410	D352151	PP08968	RE34776		
11/15/94	5363508	D352371	PP08978	RE34784		
11/22/94	5365607	D352591	PP08983	RE34792		
11/29/94	5367706	D352811	PP08989	RE34800		
12/06/94	5369804	D353031	PP09000	RE34803	H001379	
12/13/94	5371903	D353251	PP09007	RE34806		
12/20/94	5373582	D353478	PP09015	RE34807		
12/27/94	5375261	D353705	PP09021	RE34809		
01/03/95	5377359	D353932	PP09026	RE34814	H001389	

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(\*\*) Reissue patents were not separately numbered until 1838

(\*\*\*) See the explanation page regarding the numbering systems used for Defensive Publications

ADDENDUM Table of issue dates and patent numbers for patents issued since 1836 (\*)  
 Issue dates for 1995-1998 patent grants  
 OPTI/TAF March 24, 1999 rptd\_add.xls

Issue Date	1st Utility	1st Design	1st Plant	1st (**) Reissue	1st SIR	1st (***) DEF	Last (***) DEF
01/03/95	5377359	D353932	PP09026	RE34814	H001389		
01/10/95	5379459	D354159	PP09037	RE34822			
01/17/95	5381557	D354386	PP09042	RE34826			
01/24/95	5383235	D354613	PP09046	RE34834			
01/31/95	5384913	D354840	PP09048	RE34838			
02/07/95	5386591	D355067	PP09052	RE34846	H001411		
02/14/95	5388269	D355294	PP09056	RE34854			
02/21/95	5390367	D355521	PP09060	RE34862			
02/28/95	5392465	D355748	PP09062	RE34867			
03/07/95	5394563	D355975	PP09068	RE34870	H001421		
03/14/95	5396661	D356202	PP09071	RE34872			
03/21/95	5398339	D356429	PP09083	RE34880			
03/28/95	5400437	D356656	PP09090	RE34884			
04/04/95	5402535	D356883	PP09095	RE34889	H001423		
04/11/95	5404590	D357110	PP09101	RE34897			
04/18/95	5406645	D357337	PP09107	RE34905			
04/25/95	5408700	D357564	PP09114	RE34913			
05/02/95	5410755	D357791	PP09122	RE34921	H001433		
05/09/95	5412810	D358018	PP09128	RE34929			
05/16/95	5414867	D358245	PP09136	RE34937			
05/23/95	5416922	D358472	PP09142	RE34945			
05/30/95	5418978	D358699	PP09145	RE34953			
06/06/95	5421032	D358926	PP09153	RE34961	H001441		
06/13/95	5423087	D359153	PP09158	RE34962			
06/20/95	5425142	D359380	PP09170	RE34970			
06/27/95	5426786	D359607	PP09178	RE34978			
07/04/95	5428841	D359834	PP09183	RE34986	H001455		
07/11/95	5430896	D360061	PP09191	RE34994			
07/18/95	5432951	D360288	PP09198	RE34995			
07/25/95	5435006	D360515	PP09210	RE34999			
08/01/95	5437061	D360742	PP09222	RE35005	H001466		
08/08/95	5438705	D360969	PP09232	RE35010			
08/15/95	5440760	D361196	PP09239	RE35015			
08/22/95	5442815	D361423	PP09251	RE35021			
08/29/95	5444870	D361650	PP09261	RE35027			
09/05/95	5446925	D361877	PP09273	RE35031	H001476		
09/12/95	5448775	D362104	PP09279	RE35033			
09/19/95	5450625	D362331	PP09288	RE35037			
09/26/95	5452475	D362536	PP09298	RE35039			
10/03/95	5454119	D362741	PP09308	RE35045	H001492		
10/10/95	5455969	D362946	PP09319	RE35053			
10/17/95	5457819	D363151	PP09324	RE35061			
10/24/95	5459874	D363371	PP09339	RE35069			
10/31/95	5461724	D363591	PP09344	RE35073			
11/07/95	5463779	D363811	PP09356	RE35079	H001498		
11/14/95	5465423	D364031	PP09368	RE35084			

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Issue Date	1st Utility	1st Design	1st Plant	1st (**) Reissue	1st SIR	1st (***) DEF	Last (***) DEF
11/21/95	5467478	D364261	PP09374	RE35090			
11/28/95	5469578	D364491	PP09384	RE35098			
12/05/95	5471678	D364721	PP09389	RE35106	H001503		
12/12/95	5473778	D364951	PP09396	RE35114			
12/19/95	5475878	D365191	PP09401	RE35122			
12/26/95	5477558	D365431	PP09407	RE35130			
01/02/96	5479658	D365671	PP09413	RE35136	H001512		
01/09/96	5481758	D365911	PP09419	RE35140			
01/16/96	5483697	D366131	PP09427	RE35146			
01/23/96	5485636	D366351	PP09435	RE35147			
01/30/96	5487187	D366551	PP09443	RE35149			
02/06/96	5488738	D366751	PP09448	RE35152	H001517		
02/13/96	5490289	D366951	PP09452	RE35154			
02/20/96	5491840	D367151	PP09454	RE35156			
02/27/96	5493730	D367351	PP09457	RE35160			
03/05/96	5495620	D367551	PP09461	RE35164	H001519		
03/12/96	5497510	D367751	PP09468	RE35172			
03/19/96	5499400	D367951	PP09477	RE35179			
03/26/96	5500951	D368151	PP09482	RE35187			
04/02/96	5502841	D368351	PP09492	RE35193	H001521		
04/09/96	5504941	D368571	PP09497	RE35201			
04/16/96	5507041	D368791	PP09506	RE35206			
04/23/96	5509141	D369011	PP09512	RE35214			
04/30/96	5511241	D369231	PP09524	RE35219			
05/07/96	5513391	D369451	PP09536	RE35226	H001528		
05/14/96	5515541	D369671	PP09546	RE35234			
05/21/96	5517691	D369891	PP09554	RE35242			
05/28/96	5519891	D370111	PP09562	RE35250			
06/04/96	5522091	D370331	PP09567	RE35258	H001533		
06/11/96	5524291	D370551	PP09573	RE35266			
06/18/96	5526531	D370771	PP09581	RE35274			
06/25/96	5528771	D370991	PP09591	RE35282			
07/02/96	5530966	D371231	PP09597	RE35287	H001553		
07/09/96	5533206	D371451	PP09600	RE35291			
07/16/96	5535446	D371671	PP09605	RE35295			
07/23/96	5537686	D371891	PP09607	RE35299			
07/30/96	5539926	D372111	PP09612	RE35303			
08/06/96	5542121	D372351	PP09618	RE35309	H001566		
08/13/96	5544361	D372571	PP09622	RE32313			
08/20/96	5546601	D372791	PP09628	RE35314			
08/27/96	5548841	D373011	PP09633	RE35316			
09/03/96	5551081	D373231	PP09637	RE35322	H001586		
09/10/96	5553321	D373451	PP09641	RE35327			
09/17/96	5555561	D373671	PP09643	RE35329			
09/24/96	5557801	D373891	PP09645	RE35331			
10/01/96	5560041	D374111	PP09647	RE35339	H001598		

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Issue Date	1st Utility	1st Design	1st Plant	1st (**) Reissue	1st SIR	1st (***) DEF	Last (***) DEF
10/08/96	5561855	D374325	PP09652	RE35347			
10/15/96	5564122	D374539	PP09656	RE35351			
10/22/96	5566389	D374753	PP09664	RE35353			
10/29/96	5568656	D374967	PP09672	RE35361			
11/05/96	5570470	D375181	PP09680	RE35369	H001603		
11/12/96	5572737	D375395	PP09687	RE35377			
11/19/96	5575004	D375609	PP09695	RE35378			
11/26/96	5577271	D375823	PP09705	RE35380			
12/03/96	5579538	D376037	PP09715	RE35384	H001615		
12/10/96	5581805	D376251	PP09734	RE35392			
12/17/96	5584072	D376465	PP09749	RE35400			
12/24/96	5586339	D376679	PP09757	RE35408			
12/31/96	5588153	D376893	PP09769	RE35410			
01/07/97	5590420	D377107	PP09776	RE35418	H001623		
01/14/97	5592687	D377257	PP09780	RE35422			
01/21/97	5594954	D377407	PP09783	RE35424			
01/28/97	5596768	D377557	PP09785	RE35432			
02/04/97	5598582	D377707	PP09790	RE35436	H001631		
02/11/97	5600849	D377857	PP09798	RE35444			
02/18/97	5603116	D378007	PP09805	RE35452			
02/25/97	5604930	D378157	PP09809	RE35460			
03/04/97	5606744	D378236	PP09814	RE35468	H001635		
03/11/97	5608912	D378317	PP09821	RE35471			
03/18/97	5611079	D378467	PP09827	RE35477			
03/25/97	5613246	D378547	PP09833	RE35481			
04/01/97	5615413	D378627	PP09841	RE35485	H001641		
04/08/97	5617580	D378707	PP09849	RE35490			
04/15/97	5619747	D378787	PP09857	RE35493			
04/22/97	5621914	D378867	PP09862	RE35494			
04/29/97	5623728	D378947	PP09871	RE35495			
05/06/97	5625895	D379027	PP09881	RE35500	H001644		
05/13/97	5628062	D379107	PP09889	RE35502			
05/20/97	5630229	D379257	PP09895	RE35510			
05/27/97	5632043	D379407	PP09902	RE35518			
06/03/97	5634210	D379557	PP09906	RE35522	H001650		
06/10/97	5636377	D379707	PP09915	RE35526			
06/17/97	5638544	D379857	PP09924	RE35531			
06/24/97	5640711	D380071	PP09931	RE35539			
07/01/97	5642525	D380285	PP09937	RE35543	H001658		
07/08/97	5644792	D380585	PP09946	RE35551			
07/15/97	5647059	D380885	PP09959	RE35559			
07/22/97	5649326	D381185	PP09972	RE35563			
07/29/97	5651140	D381485	PP09978	RE35569			
08/05/97	5652954	D381785	PP09987	RE35577	H001671		
08/12/97	5655221	D382085	PP09994	RE35578			
08/19/97	5657488	D382385	PP10002	RE35586			



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Issue Date	1st Utility	1st Design	1st Plant	1st (**) Reissue	1st SIR	1st (***) DEF	Last (***) DEF
08/26/97	5659895	D382685	PP10009	RE35594			
09/02/97	5661849	D382985	PP10014	RE35598	H001675		
09/09/97	5664256	D383285	PP10022	RE35602			
09/16/97	5666663	D383585	PP10027	RE35603			
09/23/97	5669070	D383885	PP10035	RE35611			
09/30/97	5671477	D384185	PP10044	RE35616			
10/07/97	5673431	D384485	PP10049	RE35618	H001681		
10/14/97	5675838	D384785	PP10060	RE35626			
10/21/97	5678245	D385085	PP10070	RE35634			
10/28/97	5680652	D385385	PP10082	RE35642			
11/04/97	5682606	D385685	PP10094	RE35646	H001688		
11/11/97	5685013	D385985	PP10112	RE35654			
11/18/97	5687420	D386285	PP10120	RE35662			
11/25/97	5689827	D386585	PP10126	RE35666			
12/02/97	5692234	D386885	PP10134	RE35674	H001699		
12/09/97	5694641	D387185	PP10141	RE35682			
12/16/97	5697098	D387535	PP10148	RE35688			
12/23/97	5699555	D387885	PP10155	RE35696			
12/30/97	5701605	D388235	PP10164	RE35700			
01/06/98	5704062	D388585	PP10172	RE35708	H001701		
01/13/98	5706519	D388935	PP10188	RE35712			
01/20/98	5708976	D389285	PP10201	RE35716			
01/27/98	5711026	D389635	PP10211	RE35718			
02/03/98	5713076	D389985	PP10221	RE35719	H001707		
02/10/98	5715533	D390335	PP10229	RE35725			
02/17/98	5717990	D390685	PP10239	RE35729			
02/24/98	5720040	D391035	PP10249	RE35736			
03/03/98	5722090	D391385	PP10265	RE35740	H001713		
03/10/98	5724670	D391735	PP10273	RE35741			
03/17/98	5727250	D392085	PP10281	RE35742			
03/24/98	5729830	D392435	PP10291	RE35750			
03/31/98	5732410	D392785	PP10307	RE35756			
04/07/98	5734990	D393135	PP10314	RE35760	H001715		
04/14/98	5737770	D393335	PP10324	RE35768			
04/21/98	5740550	D393535	PP10333	RE35772			
04/28/98	5742936	D393735	PP10352	RE35776			
05/05/98	5745916	D393935	PP10370	RE35780	H001725		
05/12/98	5749096	D394135	PP10385	RE35788			
05/19/98	5752276	D394335	PP10401	RE35796			
05/26/98	5754982	D394535	PP10411	RE35804			
06/02/98	5758362	D394735	PP10423	RE35812	H001731		
06/09/98	5761743	D394935	PP10434	RE35820			
06/16/98	5765222	D395135	PP10449	RE35824			
06/23/98	5768702	D395335	PP10458	RE35826			
06/30/98	5771488	D395535	PP10467	RE35830			
07/07/98	5774889	D395735	PP10477	RE35834	H001738		

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Issue Date	1st Utility	1st Design	1st Plant	1st (**) Reissue	1st SIR	1st (***) DEF	Last (***) DEF
07/14/98	5778448	D395935	PP10489	RE35842			
07/21/98	5781928	D396135	PP10508	RE35851			
07/28/98	5784715	D396335	PP10521	RE35858			
08/04/98	5787500	D396535	PP10527	RE35866	H001742		
08/11/98	5790980	D396735	PP10543	RE35868			
08/18/98	5794260	D396935	PP10552	RE35870			
08/25/98	5797140	D397235	PP10565	RE35874			
09/01/98	5799326	D397535	PP10577	RE35882	H001747		
09/08/98	5802607	D397835	PP10589	RE35887			
09/15/98	5806087	D398135	PP10601	RE35895			
09/22/98	5809567	D398435	PP10607	RE35899			
09/29/98	5813047	D398735	PP10616	RE35905			
10/06/98	5815831	D399035	PP10628	RE35913	H001751		
10/13/98	5819311	D399335	PP10637	RE35917			
10/20/98	5822791	D399635	PP10648	RE35925			
10/27/98	5826271	D399985	PP10660	RE35933			
11/03/98	5829055	D400335	PP10666	RE35941	H001756		
11/10/98	5832535	D400685	PP10673	RE35949			
11/17/98	5836015	D401035	PP10684	RE35957			
11/24/98	5839121	D401385	PP10696	RE35965			
12/01/98	5842227	D401735	PP10707	RE35973	H001761		
12/08/98	5845333	D402085	PP10713	RE35981			
12/15/98	5848439	D402435	PP10720	RE35989			
12/22/98	5850633	D402785	PP10727	RE35997			
12/29/98	5852827	D403135	PP10737	RE36009			
01/05/99	5855021	D403485	PP10743	RE36022	H001766		

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