

also required for service analysis of conditions which result in failure to complete dialed calls. Analysis data are used to evaluate administrative, engineering, and maintenance efforts to improve service.

12.15 Tones are used primarily to identify busy conditions of lines and some trunks. Generally, 60-IPM tone is used to identify busy lines and 120-IPM tone is used to identify busy trunks. The appropriate customer action for either condition is to hang up and try the call again.

12.16 Announcements are used when the condition encountered requires explanation for both customers and operators. Announcements also suggest the appropriate action to be taken. The use of "no circuit" (N), "overload" (O), and "special" (X) announcements space attempts in order to relieve overloaded switching systems and trunk networks.

12.17 Local options on tones and announcements created no serious problem prior to the advent of toll dialing. However, with the system now an integrated multioffice network, a variety of tones or announcements for the same conditions are most confusing from the customer standpoint. Also, nonuniformity makes it impossible to analyze performance results with any degree of accuracy. Service evaluators (observers) identify each type of announcement by certain key words in the announcement. Therefore, uniformity of tones and announcements throughout the system is a requirement.

A. Location Codes

12.18 Identification codes are appended to recorded announcements to facilitate trouble tracing and to help locate the source of blockages encountered on the toll network. They provide a savings in both man-hours and circuit outage time since, except where CCIS is involved, call failures can be referred directly to the office where the blockage occurred.

12.19 Experience has shown that adverse customer reaction to identification codes is minimized when the code number is placed at the end of the announcement. Since announcement trunks are arranged so that a customer hears the announcement from its beginning, the code will be heard only when the customer remains on the line throughout the entire message.

12.20 Identification codes are assigned according to the following guidelines:

- (a) Codes are assigned to toll switching offices.
- (b) The first three digits of the code are the Numbering Plan Area (NPA) code indicating the location of the switching office.
- (c) The fourth and fifth digits are assigned as follows:
 - Digit 1—Assigned to switching system serving as a Regional Center
 - Digit 2 or 3—Assigned to switching systems serving as Sectional Centers
 - Digit 4 and higher—Assigned to Primary and Toll Center switching systems.

12.21 Switching systems with trunks utilizing CCIS should append the letter *C* to their identification code. For example, the code for the Atlanta 4E office, with CCIS, would be 4043C. This is done to alert network maintenance that an announcement received at a CCIS office could be the result of a blockage condition beyond the office transmitting the announcement.

12.22 Gateway office announcement codes will contain one additional suffix digit to further describe the announcement condition encountered. The authorized suffixes are as follows:

- Digit 1—International No Circuit (NC)
- Digit 2—International Reorder
- Digit 3—International Vacant Code
- Digit 4—International Unauthorized Code
- Digit 5—International Foreign Failure.

An example of an identification code of this type for Pittsburgh is 4121C1, indicating an NC condition to an international point from Pittsburgh.

12.23 Certain announcements terminated in the Mass Announcement System (MAS) will contain the identifying suffix *M* in addition to the area code and identification code, ie, 2141M for a Dallas MAS vacant code announcement.

12.24 Requests for new assignments or changes to United States system codes shown in Table V should be made to:

District Manager—Network Methods
Telephone: (201) 221-5788

12.25 The TransCanada Central Traffic Staff is responsible for the administration of the TransCanada code list shown in Table W.

B. Special Announcements

12.26 Recommended standard announcements in no way prohibit the use of special announcements when required for specific situations such as disasters and work stoppages.

C. Equipment Operation

12.27 Announcement trunks should be equipped for delayed cut-through so that an announcement will be heard from the start of the message. There should be an audible ring during the interval before the start of the announcement and the interval should be as short as possible. Announcements should be brief and carefully prepared. It is important also that announcement facilities be kept in working order and proper routines established to check and maintain the quality of announcements.

12.28 Announcement systems used for intercepted numbers should be arranged for operator cut-through.

D. Recommended Tones and Announcements

12.29 Figure 42 provides a list of recommended tones and announcements for the various conditions encountered. Also see Technical Advisory 28 for additional information.

12.30 Recording machines are used in the Bell System to provide announcements. A primary use of the recorded announcement machines is to provide an intercepting message to calls reaching vacant or disconnected customer numbers. One such machine provides a single channel with an announcement interval which is usually fixed for a particular installation. It may be set to one of six intervals ranging from 11 to 36 seconds. Means are provided to connect a trunk at the

beginning of an announcement interval and repeat from one to nine announcements (two or three is the usual number) and then to connect to an intercept operator. Two machines are usually provided, one for service and one for standby. If the voice output of the machine in service fails, the standby machine is automatically placed in service. In multioffice cities, the machines are provided in a central location and intercept trunks may be brought into the center or to subcenters to which the announcements are transmitted.

12.31 A smaller machine is used in small dial offices where neither operator intercept nor the larger intercept machines can be economically justified. In this use, changed numbers, vacant thousands, and hundreds levels, as well as all vacant or disconnected numbers, are connected to the machine. Normally, only one machine is provided. This machine operates on a stop-start basis. When started, all subsequent calls requiring intercept in the announcement interval are cut in immediately to the machine at any stage of the announcement cycle. Provision can be made for subsequent transfers to an operator.

12.32 Direct-dialed toll calls will reach these machines when required. The announcements are so worded that the customer can understand the proper action to be taken. Also, it is desirable to inform the customer that the announcement is recorded. Connections to announcement machines should not return off-hook (answer) supervision.

12.33 Crossbar tandem and No. 4 crossbar switching systems are equipped so that appropriate recorded announcements may be returned to calls which fail to complete because:

- (a) All trunks are busy due to heavy traffic or disaster.
- (b) A switching system is overloaded.
- (c) Vacant codes or unauthorized numbers are dialed.
- (d) Operating or equipment irregularities are encountered.

12.34 Cut-through to an operator is not contemplated under these circumstances. Figure 42 contains some of the tones and announcements recommended for network dialing.

TABLE V

**IDENTIFICATION CODES FOR RECORDED ANNOUNCEMENTS
WITHIN THE UNITED STATES**

IDENT. NO.	OFFICE	IDENT. NO.	OFFICE
2012	Newark 4T	20319	New Britain 1E
2014	Rochelle Park No. 1	20320	New London 1E
2015	Newark-Essex No. 1	20321	New Haven 1E
2016	Newark-Essex No. 2	20322	Stamford 1E
2017	Newark-Jersey No. 1	20323	Hartford 1E
2018	Newark-Jersey No. 2	20324	Norwalk 1E
2019	Paterson	20325	Bridgeport 1E
20110	Hackensack	20326	Bristol 1E
20111	New Brunswick XBT	20327	Middletown 1E
20112	Asbury Park		
20113	Freehold	204	See TransCanada (Table W)
20114	Morristown		
20115	Bergen	2052	Birmingham
20116	Flemington	2054	Montgomery
20117	Clinton	2055	Mobile
20118	Newton	2056	Decatur
20119	New Brunswick 4T	2057	Gadsden
20120	Newark No. 7 4T	2058	Huntsville
20121	Sussex	2059	Dothan 1
20122	Cedar Knolls	20510	Tuscaloosa
20123	Rochelle Park No. 2	20511	Jasper
20124	Belvidere Tandem	20512	Selma
		20513	Leesburg
2022	Washington 4T Sect.	20514	Sheffield
2024	Washington-4E Pri.	20515	Foley
2025	Washington-Uptown	20516	Monroeville
2027	Washington-DuPont	20517	Atmore
2028	Mount Pleasant	20518	Dothan 2
2029	Washington-Southwest XBT	20522	Anniston
2032	New Haven 4T	2062	Seattle 4T Sect.
2034	Hartford No. 1 and 2	2063	Seattle 4E
2035	Hartford No. 3 4T	2064	Seattle XBT
2036	New Haven XBT	2065	Seattle-Mutual
2037	Bridgeport	2067	Tacoma
2038	Stamford	2068	Seattle 4T Pri.
2039	Waterbury	2069	Everett
20310	Meriden XBT	20610	Poulsbo 4P
20311	Danielson		
20312	Danbury ESS	2074	Portland XBT
20313	New London XBT	2075	Bangor
20314	Norwalk	2076	Lewiston
20315	Bridgeport 4A	2077	Portland 4T
20316	Manchester ESS	20710	North Anson
20317	Torrington ESS		
20318	Meriden 1E	2084	Boise

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203-34

DMS
Hartford?58
Norwalk?

TABLE V (Contd)

**IDENTIFICATION CODES FOR RECORDED ANNOUNCEMENTS
WITHIN THE UNITED STATES**

IDENT. NO.	OFFICE	IDENT. NO.	OFFICE
2085	Twin Falls	21232	Kings No. 1 and 2
2086	Pocatello	21233	Forest Hills No. 1 and 2
2087	Idaho Falls	21235	Queens No. 1
2088	Salmon	21236	Jamaica
2089	McCall	21237	Richmond Hill No. 1
20810	Lewiston	21238	Richmond Hill No. 2
20811	Coeur D' Alene	21239	Staten Island
20812	Moscow	21242	Chelsea No. 1 and 2
		21243	Tenth Ave. No. 3
2092	Stockton No. 4T	21244	Lexington
2094	Fresno XBT	21245	Varick 4T VS $\phi 1 T$
2095	Modesto	21246	Queens No. 2
2096	Fresno 4T	21247	West St. 6
2097	Reedley	21248	East 97th St.
2098	Stockton XBT	21249	New York No. 6 54 $\phi 5 T$
2099	Fresno ESS 1	21250	Williamsburg
		21251	New York 12
2122	New York No. 4 AA $\phi 2 T$	21252	Broadway No. 24
2123	New York No. 7 54 $\phi 4 T$	21253	Borough No. 4
2124	West St. No. 4		
2125	West St. No. 5-TSP	2132	Los Angeles No. 2
2126	Vesey No. 1	2134	Los Angeles No. 3
2127	Vesey No. 2	2135	Los Angeles 01 TSPS
2128	Vesey No. 3	2136	Gardena No. 2
2129	Borough No. 3	2137	Gardena TSPS
21210	New York No. 10 4T BW $\phi 1 T$	21310	El Monte
21211	Tenth Ave. No. 1	21315	Sherman Oaks No. 2 4T
21212	New York No. 11 4T BW $\phi 2 T$	21316	Sherman Oaks 02 TSPS
21213	Gotham No. 8	21331	Gardena No. 3
21214	Gotham No. 9	21340	Long Beach NORTH (OH) EL.
21215	Interzone	21341	Santa Monica NORTH (OH) EL.
21216	Brooklyn 4T ← "City" XBT	21373	Sherman Oaks No. 3 4T
21217	York No. 1	21374	Sherman Oaks 03 TSPS
21218	York No. 2		
21219	Amsterdam No. 1 and 2	2141	Dallas 4 ESS
21220	Broadway No. 2 BW $\phi 2 T$	2142	Dallas 4T Sect.
21221	Midtown No. 1 and 2	2144	Greenville
21222	Tenth Ave. No. 2	2145	Longview
21223	East 97th St. No. 5	2146	Athens
21224	Bronx No. 1 and TSP		
21226	Tremont No. 1 and 2	2151	Wayne
21228	Albermarle No. 1 and Brooklyn	2152	Philadelphia No. 2
21229	Albermarle No. 2-TSP	2153	Philadelphia 4 ESS
21231	Bushwick No. 1 and 2	2154	Philadelphia-East A

TABLE V (Contd)

**IDENTIFICATION CODES FOR RECORDED ANNOUNCEMENTS
WITHIN THE UNITED STATES**

IDENT. NO.	OFFICE	IDENT. NO.	OFFICE
2155	Philadelphia-East B	2184	Virginia
2156	Philadelphia-North A	2185	Wadena
2157	Philadelphia-North B		
2159	Tullytown	2192	South Bend 4T
21510	Reading	2194	South Bend XBT
21511	Allentown	2195	Fort Wayne
21512	Fort Washington		
21513	Easton	3012	Baltimore No. 2 4T
21514	Philadelphia No. 3 4T	3014	Baltimore TDM 3
21515	West Chester	3015	Silver Spring-Toll
21516	Lansdale	3016	Baltimore TDM 6
21517	Pottstown	3017	Baltimore TDM 7
		3018	Hyattsville
2162	Cleveland 4T Sect.	3019	Baltimore No. 9 4T
2163	Cleveland 4E Sect.	30110	Silver Spring-Local
2164	Cleveland-Clearwater No. 1	30112	Bel Air
2165	Cleveland-Garfield	30113	Salisbury
2166	Cleveland-Henderson No. 1		
2167	Cleveland-Henderson No. 2	3025	Dover
2168	Akron XBT	3027	Wilmington No. 4
2169	Canton XBT		
21610	Youngstown XBT	3031	Denver 4T Reg.
21611	Cleveland-Clearwater No. 2	3032	Denver 4T Sect.
21612	Ashtabula	3033	Denver 5 4 ESS
21613	Geneva	3034	Grand Junction
21614	Elyria	3035	Pueblo
21615	Cleveland 4T Pri.	3036	Denver No. 4 ZUNI
21616	Akron 4T	3037	Colorado Springs
21617	Warren NORTH (OW) EL	3038	Boulder
21618	Jefferson	3039	Ft. Collins
21619	Wooster	30310	Greeley
21620	Oberlin	30311	Sterling
21621	Youngstown 4A		
21622	Lorain	3042	Charleston
21623	Medina	3044	Clarksburg
21624	Minerva	3045	Wheeling
21625	New Philadelphia	3046	Bluefield
		3047	Elkins
2172	Springfield	3048	Fairmont
2174	Champaign 4T	3049	Lewisburg
2175	Decatur	30410	Logan
2176	Champaign XBT	30411	Weirton
		30412	Huntington
2183	Duluth	30414	Morgantown

TABLE V (Contd)

**IDENTIFICATION CODES FOR RECORDED ANNOUNCEMENTS
WITHIN THE UNITED STATES**

IDENT. NO.	OFFICE	IDENT. NO.	OFFICE
30415	Parkersburg	3136	Detroit No. 2 4T
3052	Orlando	3139	Flint
3054	Winter Park	31310	Pontiac XBT
3055	Miami 4T	31311	Plymouth 4T
3057	Fort Lauderdale	31312	Pontiac 4T
3058	West Palm Beach XBT	31313	Port Huron ESS
3059	Ojus No. 1 4T	31314	Mt. Clemens ESS
30510	West Palm Beach 4T	3141	St. Louis 4T Reg.
30511	Ojus No. 3 4T 2 Ojus 2 4T	3142	St. Louis 4T Sect.
30512	Lake Buena Vista	3144	St. Louis TDM 1
30513	Winter Garden	3145	St. Louis TDM 2
306	See TransCanada (Table W)	3146	St. Louis TSP
3072	Cheyenne	3147	Sikeston
3075	Casper	3148	St. Louis Kirkwood
3076	Rock Springs	3149	Jefferson City
3077	Sheridan	31410	Rolla
3078	Worland	31411	Sullivan
3084	Grand Island	31412	Wentzville
3085	Sidney	31413	Columbia
3094	Peoria 4T	31414	Mexico
3095	Peoria XBT	31415	Hannibal
3096	Rock Island	31416	Poplar Bluff
3122	Chicago No. 7 4 ESS	31417	Flat River
3124	Chicago-Stewart No. 1 and 2	31418	Cape Girardeau
3126	Chicago-Wabash No. 1 and 2	31419	Eldon
3127	Chicago-Franklin No. 1 and 2	3154	Syracuse
3129	Chicago-Bl. Plaine No. 1 and 2 (Belle Plaine)	3155	Utica
31211	Chicago-Kedzie No. 1 and 2	3156	Oswego
31212	Oakbrook	3157	Seely T. C.
31213	Morton Grove	3158	Newark
31214	Northbrook No. 2 (4A)	3159	Geneva
31215	Chicago Canal/ESS Tandem	31510	Watertown
31217	Northbrook ESS Tandem	31511	Potsdam
31218	Chicago 8	31512	Ogdensburg
3132	Detroit No. 1 4T	31513	Fulton
3134	Detroit-Cadillac-Woodward	3164	Wichita
3135	Detroit-University	3165	Hutchinson
		3166	Parsons
		3172	Indianapolis
		3174	Kokomo

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TABLE V (Contd)

**IDENTIFICATION CODES FOR RECORDED ANNOUNCEMENTS
WITHIN THE UNITED STATES**

IDENT. NO.	OFFICE	IDENT. NO.	OFFICE
3184	Lafayette	40411	Augusta
3185	Shreveport	40412	Cartersville
3186	Alexandria	40413	Rome
3187	Lake Charles	40414	Athens
3188	Monroe	40415	Cornelia
3194	Davenport	4052	Oklahoma City 4A
3195	Waterloo	4053	Oklahoma City 4E
3196	Cedar Rapids	4054	Clinton
3197	Clinton	4055	Enid
4014	Providence TDM 1	4056	Durant
4015	Providence TDM 2	4057	Lawton
4016	Providence 4T	4058	Kingfisher
4022	Omaha	4062	Billings
4024	Lincoln	4064	Helena
4025	Hastings	4065	Great Falls
4026	Nebraska City	4066	Livingston
4027	Beatrice	4067	Kalispell
4028	David City	4068	Missoula
4029	Auburn	4069	Shelby
40210	Fairbury	40610	Havre
40211	Geneva	40611	Butte
40212	Hebron	40612	Glasgow
40213	Seward	40613	Miles City
40214	Superior	40614	Glendive
40215	Tecumseh	40615	Kallispell
40216	Wahoo	4082	San Jose 4T
40217	Tora	4084	San Jose XBT
40218	Aurora	4085	Salinas
40219	Falls City	4086	Santa Clara Metro
403	See TransCanada (Table W)	4087	San Jose TSPS
4041	Rockdale	4121	Pittsburgh Reg. 3 4E
4042	Atlanta 4T Sect. <i>atl. 1 TL 42T</i>	4122	Pittsburgh 4T Sect. 1
4043	Atlanta 4E <i>atl. 4 TL 01T</i>	4124	Pittsburgh-TDM A
4044	Atlanta XBT <i>atl. 2</i>	4125	Pittsburgh-TDM B
4045	Columbus	4126	Greensburg
4046	Atlanta 4T Pri. <i>atl. 3 NW 43T</i>	4127	Charleroi
4047	Dalton	4128	McDonald
4048	Tocca	4129	Uniontown
4049	Winder	41210	Washington
		41211	Newcastle

TABLE V (Contd)

**IDENTIFICATION CODES FOR RECORDED ANNOUNCEMENTS
WITHIN THE UNITED STATES**

IDENT. NO.	OFFICE	IDENT. NO.	OFFICE
4132	Springfield	4196	Paulding
4143	Waukesha Sect.	4197	Lima <i>NORTH/OH - BL</i>
4144	Milwaukee No. 2	4198	Defiance
4146	Racine	4199	Napoleon
4147	Appletown	41910	Van Wert
4148	Oshkosh	41911	Wauseon
4149	Watertown	41912	Stony Ridge
41411	Milwaukee 4T Pri.	41913	Mansfield
41421	Plymouth	41914	Shelby
41422	Green Bay	41915	Bucyrus
41423	Berlin	41916	Mount Gilead
41424	Fond du Lac	41917	Findlay
41425	Sheboygan	41918	Sandusky
		41919	Tiffin
4152	Oakland 4T	5014	Little Rock
4153	San Francisco 43T 4 ESS	5015	Fort Smith
4154	Oakland-Franklin	5016	Fayetteville
4155	Oakland-Franklin 1	5017	Jonesboro
4156	Oakland No. 1	5018	Pine Bluff
4158	San Francisco-Bush 0 and 1	5022	Louisville
4159	Oakland Eastbay 4T	5024	Paducah
41510	San Francisco-Onon	5025	Madisonville
41511	San Francisco-Onon 1	5026	Elizabethtown
41512	San Rafael	5027	Campbellsville
41513	Concord	5028	Glasgow
41514	Palo Alto	5029	Frankfort
41515	San Francisco 41T	5032	Portland No. 1
41516	Redwood City	5033	Portland No. 2 4 ESS
41517	Hayward	5034	Eugene
41518	San Francisco 42T	5035	Pendleton
41519	Oakland TSPS	5036	Astoria
41520	San Francisco TSPS	5037	Bend
41521	Redwood City TSPS	5038	Roseburg
		5039	Klamath Falls
416	See TransCanada (Table W)	50310	Corvallis
4174	Springfield	50311	Salem XB
4175	Joplin	50312	Newport
		50313	Albany
418	See TransCanada (Table W)	50314	Baker
4194	Toledo	50315	Medford
4195	Kenton	50316	Merrill
		50317	White City
		50318	Redmond

TABLE V (Contd)

**IDENTIFICATION CODES FOR RECORDED ANNOUNCEMENTS
WITHIN THE UNITED STATES**

IDENT. NO.	OFFICE	IDENT. NO.	OFFICE
50319	Burns	5122	San Antonio
50320	Hood River	5125	Harlingen
50321	Sheridan	5126	Austin 4T
50322	Myrtle Creek	5127	Harlingen 4T
50323	Beaverton	5128	Corpus Christi
50324	Hood River	5129	San Marcos
50325	Sheridan		
50326	Merrill	5132	Cincinnati 4T
50327	Burn	5134	Dayton
50328	White City	5135	Cincinnati-St. Bernard
50329	Redmond	5136	Cincinnati-West 7th
50330	Lebanon	5137	Batavia
		5138	Sydney
5042	New Orleans 4T	5139	Greenville
5043	New Orleans 4 ESS	51310	Belle Fontaine
5045	New Orleans XBT	51311	Lebanon
5046	Baton Rouge	51312	Eaton
5047	Hammond	51318	Cincinnati TSPS
5048	Covington		
5049	Houma	514	See TransCanada (Table W)
50410	Donaldsonville		
5052	Albuquerque	5152	Des Moines
5054	Roswell	5154	Mason City
5055	Alamagordo		
5056	Clovis	5162	Suffolk
5057	Demine	5163	Garden City 4E
5058	Farmington	5165	Hempstead No. 2
5059	Gallup	5166	Hempstead No. 3
50510	Hobbs	5167	Hempstead No. 4
50511	Las Cruces	5168	Deer Park No. 1
50512	Las Vegas	5169	Deer Park No. 2
50513	Raton	51610	Garden City 4T
50514	Santa Fe		
50515	Truth or Consequences	5174	Lansing XBT
		5175	Saginaw XBT
506	See TransCanada (Table W)	5176	Jackson
		5177	Lansing 4T
5074	Owatonna	5178	Saginaw 4T
5075	Windom	5179	Alma 4T (NORTH (OH) EL.)
		51710	Adrian
5094	Spokane		
5095	Yakima	5182	Albany 4T
5096	Ellensburg	5184	Albany XBT
5097	Sunnyside	5185	Plattsburg

TABLE V (Contd)

**IDENTIFICATION CODES FOR RECORDED ANNOUNCEMENTS
WITHIN THE UNITED STATES**

IDENT. NO.	OFFICE	IDENT. NO.	OFFICE
5186	Champlain	6075	Binghamton 4T
5187	Glens Falls	6076	Hornell
		6077	Ithaca
519	See TransCanada (Table B)	6078	Oneonta
		6079	Sidney
6012	Jackson	60710	Dundee
6014	Tupelo	60711	Delhi
6015	Hattiesburg		
6016	Greenwood	6082	Madison No. 2 4A
6017	McComb	6084	Janesville
6018	Meridian	6086	La Crosse
6019	Gulfport	6087	Dodgeville
60110	Columbus	6088	Mauston
60111	Grenada	6089	Madison No. 1 XBT
60112	Laurel		
60113	Biloxi	6092	Camden 4T
60114	Natchez	6094	Camden XBT
60115	Greenville	6095	Trenton
		6096	Atlantic City
6022	Phoenix 4T	6097	Hamilton Square
6024	Mesa 4A		
6025	Tucson	6122	Minneapolis
6026	Window Rock	6123	Minneapolis 4 ESS
		6125	St. Paul 4T
6034	Manchester No. 1	6126	St. Cloud
6035	Manchester No. 2	6127	Willmar
6036	Concord		
		613	See TransCanada (Table W)
604	See TransCanada (Table W)	6144	Columbus 4T
		6145	Columbus XBT
6054	Sioux Falls	6146	Mt. Vernon
6055	Rapid City	6147	Pataskala
		6148	Sunbury
		6149	Columbus 4E
6064	Danville		
6065	Winchester	6152	Nashville
6066	Paintsville	6154	Knoxville
6067	Lexington NORTH (OH) FL	6155	Chattanooga
6068	Ashland	6156	Cookeville
6069	Hazard	6157	Johnson City ETS -H (NORTH/OH FL)
60610	Morehead	6158	Chattanooga ESS
60611	Somerset		
		6162	Grand Rapids 4T
6070	Norwich	6164	Kalamazoo XBT
6074	Binghamton XBT	6165	Kalamazoo 4T

TABLE V (Contd)

**IDENTIFICATION CODES FOR RECORDED ANNOUNCEMENTS
WITHIN THE UNITED STATES**

IDENT. NO.	OFFICE	IDENT. NO.	OFFICE
6166	Grand Rapids XBT	7025	Las Vegas
6167	Traverse City	7026	Reno TSPS
6168	Muskegon 4A <i>NORTH (OH) EL.</i>	7034	Leesburg
6172	Cambridge 18 (4 ESS)	7035	Roanoke
6173	Boston 4A (B9)	7036	Arlington-Toll TDM
6174	Newton	7037	Arlington-Local
6175	Boston-Franklin CAMA	7038	Roanoke 4A
61710	Dorchester	7039	Woodbridge
61713	Malden	70310	Arlington 4T
61715	Harrison	70311	Fredricksburg
61716	Kendall Square	70312	Winchester
61717	Boston Tandem 17	70313	Norton
61721	Brockton XBT	70314	Culpeper
61722	Brockton 4A	70315	Harrisonburg
61723	Fairhaven 4A	70316	Waynesboro
61724	Fall River	70317	Edinburg
61725	Framingham XBT No. 1	70318	Covington
61726	Framingham XBT No. 2	7042	Charlotte
61727	Framingham 4A	7043	Charlotte 4 ESS
61728	Lawrence XBT	7044	Asheville
61729	Lawrence 4A	7045	Gastonia
61730	Worcester XBT	7046	Hickory
61731	Worcester 4A	7047	Concord
61743	MET TDM No. 3	7048	Marshville
6182	Collinsville	7049	Sylva
6184	Olney	70410	Morganton
6185	Marion	70411	Salisbury
6186	Alton	705	See TransCanada (Table W)
6187	Centralia	7072	Santa Rosa No. 4
7012	Fargo 4A	7074	Santa Rosa XBT
7014	Bismarck	7075	Eureka
7015	Grand Forks	709	See TransCanada (Table W)
7016	Grafton	7124	Sioux City
7017	Fargo 1E	7132	Houston No. 1
7018	Jamestown	7133	Houston 4E
7019	Dickinson	7134	Galveston
70110	Williston	7135	Beaumont
7022	Reno 4T Sect.		
7024	Reno XBT Pri.		

TABLE V (Contd)

**IDENTIFICATION CODES FOR RECORDED ANNOUNCEMENTS
WITHIN THE UNITED STATES**

IDENT. NO.	OFFICE	IDENT. NO.	OFFICE
7136	Houston No. 2	7178	Hazelton
7137	Houston No. 3	7179	York <i>NORTH (OH) EL.</i>
7138	Beaumont 1E	71710	Scranton ESS
7139	Nacogdoches	71711	Harrisburg ESS
71310	Huntsville	71712	Wilkes-Barre ESS
71311	Richmond	71713	Scranton 1A ESS
		71720	Stroudsburg
7141	San Bernardino	8012	Salt Lake City
7142	Anaheim 28T	8014	Provo
7143	San Diego 4E		
7144	Anaheim XBT	8024	White River Junction 1A ESS
7146	Oceanside	8025	Burlington
7147	Anaheim 77T	8026	Rutland
7148	Ontario 91T <i>NORTH (OH) EL.</i>		
7149	Anaheim 01 TSPS	8032	Columbia
71410	Anaheim 02 TSPS	8034	Greenville
71411	San Diego 02 TSPS	8035	Charleston
		8036	Florence
7152	Eau Claire	8037	Rock Hill
7154	Stevens Point	8038	Orangeburg
7155	Marshfield	8039	Myrtle Beach
7156	Rice Lake	80310	Spartanburg
7157	Wausau	80311	Greenwood
7158	Hudson	80312	Sumter
7159	Ashland	80313	Lancaster
71510	Superior		
71511	Rhineland	8042	Richmond 4A
		8043	Richmond 4E
7164	Buffalo 4T	8044	Norfolk XBT
7165	Buffalo-Erie	8045	Danville
7166	Buffalo-Frontier	8046	Emporia
7167	Batavia	8047	Onancock
7168	Olean	8048	Norfolk 4T
7169	Dunkirk	8049	Lynchburg
71610	Rochester	80410	Chase City
71611	Geneseo	80411	Warsaw
71612	Jamestown	80412	Charlottesville
71613	Holcomb		
		8054	Bakersfield
7172	Harrisburg 4A	8055	San Luis Obispo
7174	Scranton 4A	8056	Newhall
7175	Williamsport		
7176	Wilkes-Barre XBT	8062	Amarillo XBT
7177	Lancaster	8064	Amarillo 1 ESS

TABLE V (Contd)

**IDENTIFICATION CODES FOR RECORDED ANNOUNCEMENTS
WITHIN THE UNITED STATES**

IDENT. NO.	OFFICE	IDENT. NO.	OFFICE
8066	Lubbock 1 ESS	8172	Fort Worth 4A
807	See TransCanada (Table W)	8173	Fort Worth 4E
8084	Honolulu	8174	Waco
8122	Bloomington	8175	Wichita Falls
8124	Evansville	8176	Killeen
8134	Tampa No. 2	8177	Stephenville
8135	Fort Myers <i>NORTH (OH) EL.</i>	8178	Temple
8136	Sarasota	8179	Cisco
8137	Winter Haven 4E	81710	Decatur
8139	St. Petersburg	819	See TransCanada (Table W)
8130	Clearwater	9012	Memphis
81310	Avon Park	902	See TransCanada (Table W)
81311	Tampa No. 3	9042	Jacksonville
81312	Naples	9043	Jacksonville 4 ESS
8144	Altoona <i>NORTH (OH) EL.</i>	9044	Leesburg
8145	Erie	9045	Tallahassee
8146	Warren	9046	Pensacola
8147	State College	9047	Gainesville
8148	Dubois	9048	Chipley
8151	Norway	9049	Fort Walton Beach
8154	Rockford	90410	Crestview
8162	Kansas City 4E	90411	Panama City
8166	St. Joseph	90412	Ocala
8167	Warrensburg	90413	Live Oak
8168	Oak Grove	90414	Daytona Beach
8169	Harrisonville	90415	Quincy
81610	Clinton	90416	Marianna
81611	Maryville	90417	Port St. Joe
81612	Lexington	9064	Sault St. Marie
81613	Higginsville	9074	Anchorage
81614	Milan	9075	Fairbanks
81615	Cameron	9076	Juneau
81616	Chillicothe	9077	Ketchikan
81617	Moberly	9078	Dead Horse
81618	Kirksville	9079	Anchorage No. 2
81619	Sedalia	9122	Macon

TABLE V (Contd)

**IDENTIFICATION CODES FOR RECORDED ANNOUNCEMENTS
WITHIN THE UNITED STATES**

IDENT. NO.	OFFICE	IDENT. NO.	OFFICE
9124	Moultrie	91414	Walden
9125	Milledgeville	91415	Middletown
9127	Fitzgerald		
9128	Dawson	9152	Sweetwater
9129	Thomasville	9154	El Paso
91210	Waycross	9155	Abilene
91211	Savannah ESS	9156	Midland
91212	Hawkinsville		
91213	Millen	9161	Sacramento 4T
91214	Bainbridge	9164	Sacramento XBT
91215	Brunswick	9165	Reading
91216	Dublin	9166	Chico
91217	Valdosta	9167	Sacramento TSPS
91218	Albany	9168	Sacramento 4E
9134	Salina	9184	Tulsa
9135	Mission		
9136	Hays	9192	Greensboro
9137	Topeka	9194	Winston-Salem
		9195	Raleigh
9141	White Plains 4T Reg.	9196	Laurinburg
9144	White Plains XBT	9197	Fayetteville
9145	Mount Vernon No. 1	9198	Durham
9146	Nyack	9199	Rocky Mount
9147	Mount Kisco	91910	Wilmington
9148	Poughkeepsie	91911	Elkin
9149	Monticello-TSP	91912	Mount Airy
91410	Mount Vernon No. 2	91913	Asheboro
91411	White Plains 4T Pri.	91914	Durham EAX
91412	Reinbeck	91915	High Point
91413	Monroe	91916	Goldsboro

TABLE W

**IDENTIFICATION CODES FOR RECORDED ANNOUNCEMENTS
WITHIN THE TRANSCANADA TELEPHONE SYSTEM**

IDENT. NO.	OFFICE	IDENT. NO.	OFFICE
2042	Winnipeg 4ACT	41812	Montmagny <i>GTE</i>
2044	Brandon SP1-4W	41813	Rimouski No. 2 SP1-4W <i>GTE</i>
		41814	St. Felicien
3061	Regina No. 2 SP1-4W	41815	St. Marie de Beauce <i>GTE</i>
3062	Regina No. 1 XBT	41816	Riviere du Loup
3064	Saskatoon SP1-4W	41817	Thetford Mines
3065	Moose Jaw	41818	Alma
3066	Prince Albert	41819	New Carlisle
3067	Yorkton	41820	Cap Aux Meules <i>GTE Telebec</i>
4032	Calgary No. 2 SP1-4W	5062	Saint John
4034	Drumheller	50610	Moncton
4035	Edmonton No. 1	50611	Newcastle
4036	Edmonton No. 2 TOPS		
4038	Medicine Hat	5141	Montreal No. 1 4AETS
4039	Grande Prairie	5144	Montreal No. 2 XBT
40310	Calgary No. 1 XBT	5145	Montreal No. 3 SP1-4W
40311	Lethbridge SP1-4W	5146	Montreal No. 4 SP1-4W
40313	Peace River	51410	Joliette
40314	Red Deer	51411	St. Jerome
40315	Edson	51412	Valleyfield
40317	Vegreville	51413	Granby
40318	Camrose	51414	St. Jean
40320	Hay River	51415	Sorel
40321	Inuvik	51416	St. Hyacinthe SP1-4W
40322	Whitehorse		
4162	Toronto No. 1 4ACT	5194	London No. 1
4164	Toronto No. 2 XBT	5195	Kitchener
4165	Hamilton	5196	Windsor
4166	Toronto No. 3 4AETS	5197	London No. 2 SP1-4W
4167	Toronto No. 4 SP1-4W	51910	Brantford
4168	Hamilton No. 2 SP1-4W	51911	Chatham
41610	Brampton	51912	Guelph
41611	Fort Erie	51913	Orangeville
41612	Markham	51914	Owen Sound
41614	St. Catharines SP1-4W	51915	Sarona
41615	Newmarket	51916	Simcoe
41616	Niagara Falls	51917	Stratford
41617	Welland	51918	St. Thomas
41618	Port Hope	51919	Walkerton
41619	Oshawa SP1-4W	51920	Woodstock
		51921	Tillsonburg
		51922	Clinton
4182	Quebec No. 2 SP1-4W	6042	Vancouver No. 2 4AETS
4184	Quebec No. 1 XBT	6044	Abbotsford
41810	Chicoutimi	6046	Gibsons
41811	Donnacona <i>GTE</i>		

418-? Garpe *GTE*

TABLE W (Contd)

IDENTIFICATION CODES FOR RECORDED ANNOUNCEMENTS
WITHIN THE TRANSCANADA TELEPHONE SYSTEM

IDENT. NO.	OFFICE	IDENT. NO.	OFFICE
6048	New Westminster	7055	Sudbury
6049	Squamish	7056	North Bay
60410	Kamloops	7057	St. Ste. Marie
60413	Cranbrook	70511	Peterborough
60414	Grand Forks	70513	Chapleau
60417	Nakusp	70514	Parry Sound
60418	Nelson	70515	Orillia
60420	Trail	70516	Bracebridge
60421	Williams Lake	70517	Midland
60422	Victoria	70518	Lindsay
60423	Alert Bay	70519	New Liskeard
60424	Campbell River	70520	Timmins
60426	Duncan		
60427	Nanaimo	7092	Corner Brook SP1-4W
60428	Port Alberni	7094	St. John SP1-4W
60429	Powell River	7095	Grand Falls
60430	Prince George	7096	Bay Roberts
60432	Dawson Creek	7097	Marystown
60433	Prince Rupert	7098	Stephenville Crossing
60434	Fort Nelson ← NWTel		
60486	Terrace	8074	Thunder Bay SP1-4W
60437	Vancouver No. 1 FW1	80710	Geraldton
60441	Vernon	80711	Marathon
60442	Kelowna	80712	Dryden
60443	Penticton	80713	Fort Frances
6134	Ottawa No. 1 XBT	8194	Sherbrooke
6135	Ottawa No. 2 4AETS	81910	Drummondville
61310	Brockville	81911	Lac Megantic
61311	Cornwall	81912	Mount Laurier - Telcel
61312	Kingston	81913	St. Agathe
61313	Smiths Falls	81914	Trois Rivières
61314	Belleville	81915	Victoriaville
61315	Pembroke		
61316	Renfrew		
7054	Barrie	9024	Halifax No. 1 4ACT NS
		9025	Charlottetown SP1-4W (P&J)
		9026	Kentville SP1-4W NS

819-? Val d'Or - Telcel

819-? ~~Noted~~ Noranda - Telcel