



ANNUAL REPORT

1990

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ANNUAL REPORT

TEXAS STATE BOARD OF PLUMBING EXAMINERS

Austin, Texas

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LYNN BROWN, ADMINISTRATOR

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TEXAS STATE BOARD OF PLUMBING EXAMINERS

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LYNN BROWN
ADMINISTRATOR

December 1, 1990

STANLEY J. BRIERS
CHAIRMAN
SEABROOK

ALLISON R. SMITH
VICE-CHAIRMAN
COMFORT

GERALD L. HARRIS, P.E.
SECRETARY
SUGAR LAND

JOE W. CAMPBELL
MEMBER
HOUSTON

PHILLIP A. LORD
MEMBER
PASADENA

JERRY D. MOORE
MEMBER
LUFKIN

ALONZO L. STARKEY, III
MEMBER
KERRVILLE

MICHAEL J. WARREN
MEMBER
NORTH RICHLAND HILLS

WILLIAM G. WHEELER
MEMBER
VICTORIA

Honorable William Clements, Governor
Honorable Bob Bullock, State Comptroller
Honorable Ann Richards, State Treasurer
Jim Oliver, Director, Legislative Budget Board
Lawrence F. Alwin, State Auditor

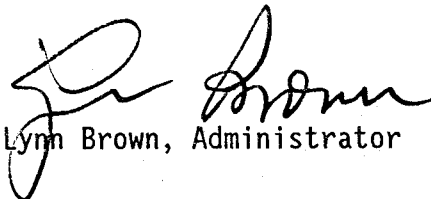
Dear Sirs and Madam:

We are pleased to submit the Annual Financial Report of the Texas State Board of Plumbing Examiners for the year ended August 31, 1990, in compliance with the General Provisions of the Appropriations Act, Article V, and in accordance with the requirements established by the Comptroller of Public Accounts.

The accompanying annual financial report will be audited by the State Auditor as part of the audit of the statewide annual financial report; therefore, an opinion has not been expressed on the financial statements and related information contained in this report.

If you have any questions, please contact Lynn Brown at 512-458-2145.

Sincerely,


Lynn Brown, Administrator

LB:m11



TEXAS STATE BOARD OF PLUMBING EXAMINERS

BOARD MEMBERS

AUGUST 31, 1990

<u>NAME</u>	<u>TITLE</u>	<u>CITY</u>
WILLIAM G. WHEELER	CHAIRMAN	VICTORIA
STANLEY J. BRIERS	MEMBER	HOUSTON
JOE W. CAMPBELL	MEMBER	LIVINGSTON
GERALD L. HARRIS	MEMBER	SUGAR LAND
PHILLIP A. LORD	MEMBER	HOUSTON
JERRY D. MOORE	MEMBER	POLLOK
ALLISON R. SMITH	MEMBER	COMFORT
ALONZO L. STARKEY, III	MEMBER	KERRVILLE
MICHAEL J. WARREN	MEMBER	N. RICHLAND HILLS

LYNN BROWN ADMINISTRATOR

STAFF MEMBERS

DONALD A. NELSON	CHIEF EXAMINER
C. W. LINDLEY	CHIEF FIELD REPRESENTATIVE
VIOLA M. EKENSTAM	ACCOUNTANT



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ADMINISTRATION

The Texas State Board of Plumbing Examiners was created by the 50th Legislature, Regular Session and became effective 90 days after June 6, 1947. It was amended by the 67th Legislature, Regular Session, as a result of the Sunset Review process and continued in existence until 1993. It was also amended by the 70th Legislature, Regular Session to give the Board the authority to issue citations for violation of the Act. It may be cited as "The Plumbing License Law".

The Board's purpose is twofold: (1) to protect the public health through an efficient and equitable system of licensing; (2) to administer a uniform examination to all persons who qualify and desire to be plumbers by providing a fair and equal opportunity to practice their trade.

It is common knowledge that diseases can be transmitted and spread by contaminated water. Public health officials have strongly supported licensing and minimum plumbing codes as a deterrent to the spread of water borne diseases such as typhoid fever, diarrhea, cholera, amoebic and bacillary dysentery. The relationship between properly designed and installed plumbing systems and the public health is an established fact.

The Board is composed of nine members, all appointed by the Governor and confirmed by the Senate. Membership consists of one Plumbing Contractor; one Master Plumber; one Journeyman Plumber; one Plumbing Inspector; one Sanitary Engineer; one Home Builder; one Commercial Builder; and two Public Members. The Board had full membership as of the close of this report.



<u>NAME</u>	<u>CITY</u>	<u>REPRESENTATION</u>	<u>TERM EXPIRES SEPTEMBER 5</u>
William G. Wheeler Chairman	Victoria	Plumbing Inspector	1993
Stanley J. Briers	Houston	Plumbing Contractor	1991
Joe W. Campbell	Houston	Public Member	1991
Gerald L. Harris	Sugar Land	Sanitary Engineer	1993
Phillip A. Lord	Houston	Journeyman Plumber	1991
Jerry D. Moore	Pollok	Commercial Builder Contractor	1995
Allison R. Smith	Comfort	Master Plumber	1993
Alonzo L. Starkey, III	Kerrville	Home Builder Contractor	1995
Michael J. Warren	N. Richland Hills	Public Member	1995

Section 6 of the Plumbing License Law provides that each member of the Board is entitled to per diem as set by legislative appropriations for each day that the member engages in business of the Board. The appropriation for the Plumbing Board sets the rate of compensatory per diem at \$30 per day.

The Board is a policy making body and delegates the actual administration of operations to an Administrator and a full time staff. Examinations are conducted daily at its office in Austin.

Insurance

An insurance policy on the Board's seven vehicles provided the Board protection in the amount of \$100,000.00-\$300,000.00 for bodily injury liability and \$15,000.00 for property damage liability.



Each of the Board's employees was covered by a public employees' honesty blanket position bond with the Trinity Company to the extent of \$10,000.00. The following employees are bonded:

Lynn Brown	Administrator
Viola M. Ekenstam	Accountant III
Vernon H. Emken	Occupational Education Specialist II
Raymond G. Fullerton	Occupational Education Specialist II
Francisco Gonzales	Occupational Education Specialist II
Yolanda Hernandez	Administrative Technician III
Johnny Kurten	Occupational Education Specialist II
Mary B. Lewandowski	Key Entry Supervisor II
C. W. Lindley	Director Special Programs
Mary P. McCallister	Administrative Technician II
Don A. Nelson	Director Special Programs
Patsy M. Russell	Administrative Technician IV
Mary Jo Sewell	Administrative Technician II
Charles R. Silguero	Translator, Spanish
Ruby M. Stiba	Accounting Clerk III
Bertis R. Ward	Occupational Education Specialist II
Larry D. Wilson	Occupational Education Specialist II

The Texas State Board of Plumbing Examiners is committed to a lease agreement for its office and examination space through January 31, 2001. The lease may be cancelled by the Board if funds are not appropriated by the Legislature. The lease is subject to a consumer price index escalation clause.

This Board occupies 15,477 square feet of space at 929 East 41st Street in Austin, Texas. This space is divided as follows: office 5,787 sq.ft.; storage 1,247 sq.ft.; and 8,443 sq.ft. for examination facilities. This space costs 58.88¢ per sq.ft.; \$9,112.75 per month; or \$109,353.00 per year. The space is leased under the terms of Lease and Rental contract PE 7925-E1-Austin on file with the State Purchasing and General Services Commission. The space is leased from J. Byron Smith, 120 Morningside, San



Antonio 78209. The Board does not occupy any space in State owned buildings, or space in any other location.

During this reporting period, the Board purchased the following vehicles: Two 1990 Pontiac 6000LE 4-door sedans for \$10,884.05 each. These cars are used by the Field Department to check licenses on construction job sites over the state. They are fuel efficiency rated by the manufacturer for 20 miles per gallon in city travel and 27 miles per gallon in highway travel. One 1990 Chevrolet Suburban for \$19,937.25. This vehicle is required for the conveyance of special equipment in conducting training seminars for City Plumbing Inspectors and licensed plumbers in special training conferences attended by 10 to 100 persons. Fuel efficiency rating is not applicable to this vehicle. One 1990 Ford Aerostar Wagon for \$14,090.00. This vehicle is required for mail pick-up, treasury and bank business, pick up printing and supplies, transport personnel to seminars. It is fuel efficiency rated by the manufacturer for 16 miles per gallon in city travel and 22 miles per gallon in highway travel.

In FY-1990 the total number of licenses, of all categories, increased by 869 or 3.94%. A breakdown of this figure is shown in the License Activity Report of the General Information section.

Under Field Service Activity, it is seen that 438 cities were visited during FY-1990, resulting in 2,583 field visits. A total of 2,119 plumbers were challenged on the job for licenses; approximately 89.0% were in compliance with the Law. A total of 148 registered apprentices were also contacted on the job and 167 apprentice application forms were given



to those not previously registered. A complete breakdown is shown under Field Service Activity.

During the year the Board participated in numerous conferences, seminars, training sessions and industry meetings. The Field Service Department and the Chief Examiner were directly involved in this activity. Our participation was by invitation from cities, trade associations, A&M Extension Service, individual Plumbing Inspectors, State Plumbing Inspectors Association and Building Officials Association of Texas.

The danger of cross connections in plumbing systems has been graphically revealed in the two films produced for the Board by the University of Texas at Austin. These films depict the various ways in which the public water supply can be contaminated by back siphonage and back flow. Cross connections in plumbing systems are widespread and occur at an unbelievable rate.

Another film produced by the University of Texas at Austin shows the Board's facilities for administering the examination. A typical applicant is followed through each phase of the day long examination.

All of these films have received wide circulation and viewing both in and out of the State.

The Board has developed an Examination Plumbing Code and Study Guide which has been well received within the plumbing industry and by municipalities, hospitals, colleges, private businesses and other state governments. It is sent on a loan basis to each applicant for examination at the time they receive their appointment for examination. This Study Guide has two purposes: (1) to give the applicant for examination a code



which will furnish technical information, and (2) to provide a plumbing code which small towns can use to protect the public health.

Apprentice permit cards are available to any person learning the trade. A total of 1,248 Apprentice plumbers were registered in FY-1990 bringing the total to 18,911 since the inception of registration in 1972.

All Journeyman applicants for examination must certify that they have three years of experience working at the trade or a combination of work experience and academic training in plumbing to equal three years. In addition, the Board requires a one year waiting period between Journeyman licensure and the Master examination.

A minimum age of 18 has been established for the Master plumber and Plumbing Inspector licenses.

The City Plumbing Inspector must pass a comprehensive qualifying examination in order to obtain his Plumbing Inspector's license. This examination covers a two day period.

The Board conducted a total of 1,685 examinations during the year. The overall failure rate was 29.6%. A further breakdown of the examination figures is shown in the Examination Activity section.

The Board maintains a library of plumbing reference books which are available to persons needing to study for the examination. This Film and Book Library is used extensively during the year. See the applicable section in the body of the report for a complete listing of this activity.

The Board now uses the Record Retention Schedule as required by the Texas State Library to destroy obsolete records.

Six Board meetings were held during this reporting period.



GENERAL INFORMATION

License Activity Report

A total of 22,049 licenses were issued by the Board during the year; 10,685 of these were Master licenses; 10,348 were Journeyman licenses; and 1,016 were Plumbing Inspector licenses. This represented a total increase of 869 licenses for the year, or approximately 3.94%. Broken down by category, the Master licenses increase by 2.52%; Journeyman licenses increased by 5.80%; and Plumbing Inspector licenses remained the same.

Licenses are granted by renewal of a previously held license or by successful completion of the examination. Table I shows the manner in which the 22,049 licenses issued in 1990 were obtained.

TABLE I

Report of Licenses Issued

by the Texas State Board of Plumbing Examiners

	<u>By Renewal</u>	<u>By Examination</u>	<u>Total</u>
Master	10,242	443	10,685
Journeyman	9,670	678	10,348
Inspector	<u>933</u>	<u>83</u>	<u>1,016</u>
Total	<u>20,845</u>	<u>1,204</u>	<u>22,049</u>



Table II shows the total number of licenses issued annually since the creation of the Board. The yearly total is broken down according to classification of license issued.

TABLE II
Comparative Summary of Licenses
Issued Annually by
Texas State Board of Plumbing Examiners

	<u>Masters</u>	<u>Journeyman</u>	<u>Inspectors</u>	<u>Total</u>
1948	2,875	4,491	354	7,720
1949	3,001	4,891	383	8,275
1950	3,239	5,269	422	8,930
1951	3,232	5,382	440	9,054
1952	3,383	5,564	450	9,397
1953	3,519	5,679	436	9,634
1954	3,556	5,746	431	9,733
1955	3,711	5,996	450	10,157
1956	3,794	6,073	462	10,329
1957	3,835	6,093	45	10,385
1958	3,878	6,222	481	10,581
1959	3,986	6,457	500	10,943
1960	4,120	6,516	506	11,142
1961	4,147	6,510	512	11,169
1962	4,223	6,596	518	11,337
1963	4,322	6,794	554	11,670
1964	4,447	7,023	559	12,029
1965	4,561	7,048	581	12,265
1966	4,605	7,050	610	12,265



TABLE II - concluded

	<u>Masters</u>	<u>Journeyman</u>	<u>Inspectors</u>	<u>Total</u>
1967	4,612	7,187	633	12,432
1968	4,718	7,489	650	12,857
1969	4,892	7,902	654	13,448
1970	5,036	8,177	662	13,875
1971	5,268	8,623	677	14,568
1972	5,687	9,204	756	15,647
1973	6,034	9,506	779	16,319
1974	6,271	9,687	754	16,712
1975	6,459	9,952	747	17,158
1976	6,735	10,010	756	17,501
1977	7,027	10,232	758	18,017
1978	7,487	10,574	776	18,837
1979	7,932	11,229	796	19,957
1980	8,247	11,382	817	20,446
1981	8,367	11,267	831	20,465
1982	8,875	10,183	818	19,876
1983	9,808	10,712	890	21,410
1984	10,273	11,341	946	22,560
1985	12,092	12,859	984	25,935
1986	10,830	10,961	1,059	22,850
1987	10,851	10,625	1,044	22,520
1988	11,218	11,062	1,023	23,303
1989	10,416	9,748	1,016	21,180
1990	10,685	10,348	1,016	22,049

UNAUDITED

EXHIBIT I

TEXAS STATE BOARD OF PLUMBING EXAMINERS
 COMBINED BALANCE SHEET
 ALL FUND TYPES AND ACCOUNT GROUPS
 August 31, 1990
 (with Comparative Memorandum Totals at August 31, 1989)

GOVERNMENTAL
FUND TYPES

SPECIAL
 REVENUE
FUND 077

ASSETS

Cash:	
Cash on Hand	\$ 5,192
Cash in State Treasury	587,068
Consumable Inventories	34,130
Fixed Assets (Note 2)	
Furniture and Equipment	
Vehicles	
Amounts to be Provided in Future Years	
	<hr/>
TOTAL ASSETS	<u>\$ 626,390</u>

<u>ACCOUNT GROUPS</u>		<u>TOTALS</u>	
<u>GENERAL FIXED ASSETS</u>	<u>GENERAL LONG-TERM DEBT</u>	<u>(Memorandum Only)</u>	
		<u>1990</u>	<u>1989</u>
\$	\$	\$ 5,192	\$ 6,122
		587,068	720,506
		34,130	30,447
252,086		252,086	257,926
111,949		111,949	74,844
	61,911	61,911	51,811
<u>\$ 364,035</u>	<u>\$ 61,911</u>	<u>\$ 1,052,336</u>	<u>\$ 1,141,656</u>

UNAUDITED

EXHIBIT I (Continued)

	<u>GOVERNMENTAL FUND TYPES</u>
	<u>SPECIAL REVENUE FUND 077</u>
LIABILITIES	
Accounts payable	\$ 79,071
Deferred Revenue	5,192
Employees' Compensable Leave	
Reserve for Overpayment of Licenses	<u>325</u>
TOTAL LIABILITIES	<u>84,588</u>
FUND EQUITY	
Investment in General Fixed Assets	
FUND BALANCES	
Reserved For:	
Encumbrances (Exh. III)	1,607
Unencumbered Legislative Appropriations - Subject to Lapse	88,392
Inventories	34,130
Unreserved:	
Undesignated:	
Available for Subsequent Years	<u>417,673</u>
TOTAL FUND EQUITY	<u>541,802</u>
TOTAL LIABILITIES AND FUND EQUITY	<u>\$ 626,390</u>

The accompanying notes to the financial statements are an integral part of this financial statement.

ACCOUNT GROUPS

<u>GENERAL FIXED ASSETS</u>	<u>GENERAL LONG-TERM DEBT</u>	<u>TOTALS</u>	
		<u>(Memorandum Only)</u>	
		<u>1990</u>	<u>1989</u>
\$	\$	\$ 79,071	\$ 65,316
		5,192	6,122
	61,911	61,911	51,811
		325	576
<u>-0-</u>	<u>61,911</u>	<u>146,499</u>	<u>123,825</u>
364,035		364,035	332,770
		1,607	8,630
		88,392	69,271
		34,130	30,447
		<u>417,673</u>	<u>576,713</u>
<u>364,035</u>	<u>-0-</u>	<u>905,837</u>	<u>1,017,831</u>
<u>\$ 364,035</u>	<u>\$ 61,911</u>	<u>\$ 1,052,336</u>	<u>\$ 1,141,656</u>



UNAUDITED

EXHIBIT II

TEXAS STATE BOARD OF PLUMBING EXAMINERS
 STATEMENT OF REVENUES, EXPENDITURES & CHANGES IN FUND BALANCES,
 ALL GOVERNMENTAL FUND TYPES
 FOR THE YEAR ENDED AUGUST 31, 1990
 (with Comparative Memorandum Totals at August 31, 1989)

	GOVERNMENTAL FUND TYPES	
	SPECIAL REVENUE FUND 077	
	1990	1989
REVENUES:		
License and Examination Fees	\$ 1,210,525	\$ 1,314,510
Sales of Goods and Services:		
Sale of Publications, Lists, Subscriptions, Books, etc.	10,004	10,205
Sales of Supplies and Equipment	508	
Scrap Sales		228
TOTAL REVENUES	<u>1,221,037</u>	<u>1,324,943</u>
EXPENDITURES:		
Salaries and Wages	568,423	554,324
Payroll Related Costs:	155,746	142,617
Professional Fees and Services	46,212	157,809
Travel	28,255	22,465
Materials and Supplies	46,075	43,454
Communication and Utilities	24,696	23,657
Repairs and Maintenance	5,422	11,234
Rentals and Leases	109,709	106,255
Printing and Reproduction	5,283	12,877
Other Operating Expenditures	20,913	14,286
Capital Outlay	60,826	54,957
TOTAL EXPENDITURES	<u>1,071,560</u>	<u>1,143,935</u>
EXCESS OF REVENUES OVER EXPENDITURES	<u>\$ 149,477</u>	<u>\$ 181,008</u>



EXHIBIT II (Continued)

	GOVERNMENTAL FUND TYPES	
	SPECIAL REVENUE FUND 077	
	<u>1990</u>	<u>1989</u>
OTHER FINANCING SOURCES (USES):		
Operating Transfers Out To Fund 001	\$ (296,419) (A)	\$ (750,544)
Net Change in Consumable Inventories	<u>3,683</u>	<u>10,739</u>
TOTAL OTHER FINANCING SOURCES (USES)	<u>(292,736)</u>	<u>(739,805)</u>
EXCESS OF REVENUES & OTHER FINANCING SOURCES OVER EXPENDITURES & OTHER FINANCING USES	(143,259)	(558,797)
FUND BALANCES - September 1, 1989	<u>685,061</u>	<u>1,243,858</u>
FUND BALANCES - August 31, 1990 (Exh I)	<u>\$ 541,802</u>	<u>\$ 685,061</u>

NOTE A:

Pursuant to Article 5429c-5, V.A.C.S. (Senate Bill No. 1322, Acts of the Sixty-ninth Legislature, Regular Session, 1985), at the end of each fiscal year of the biennium, the Comptroller of Public Accounts shall transfer any fund balance in excess of 33 percent of the sum of the following year's appropriation and other fund requirements from Fund No. 077 to the General Revenue Fund.

The accompanying notes to the financial statements are an integral part of this financial statement.

UNAUDITED

EXHIBIT III

TEXAS STATE BOARD OF PLUMBING EXAMINERS
 COMPARISON OF FUNDS BUDGETED TO FUNDS APPLIED AND ENCUMBERED
 For the Year Ended August 31, 1990

ACTIVITY	Funds Budgeted			Totals
	Legislative Appropriations	Additional Appropriations and Adjustments	Transfers Between Appropriations	
Legislative Appropriations				
Current Year:				
Per Diem-Board Members	\$ 2,030	\$	\$	\$ 2,030
Administrator	55,576	2,779		58,355
Other Administration	247,890	14,524		262,414
Licensing/Examination	410,342	13,974		424,316
Field Services	180,821	5,176		185,997
Computer Services	63,890			63,890
Other Appropriations				
Retirement		41,399		41,399
Social Security Contributions		60,758		60,758
Insurance Contributions		53,590		53,590
TOTAL, Current Year				
Legislative Appropriation	960,549	192,200	0	1,152,749
Prior Year Appropriations	93,875	(236)		93,639
TOTAL APPROPRIATIONS	<u>\$ 1,054,424</u>	<u>\$ 191,964</u>	<u>\$ 0</u>	<u>\$ 1,246,388</u>

The accompanying notes to the financial statement are an integral part of this financial statement.

Funds Applied and Encumbered

<u>Expenditures</u>	<u>Appropriations Lapsed</u>	<u>Encumbrances</u>	<u>Totals</u>	<u>Variance</u>
\$ 1,230	\$	\$	\$ 1,230	\$ 800
58,355			58,355	0
260,554		669	261,223	1,191
397,432		893	398,325	25,991
151,069		45	151,114	34,883
38,363			38,363	25,527
41,399			41,399	
60,758			60,758	
<u>53,590</u>			<u>53,590</u>	
1,062,750	0	1,607	1,064,357	88,392
<u>8,810</u>	<u>84,829</u>		<u>93,639</u>	<u>0</u>
<u>\$ 1,071,560</u>	<u>\$ 84,829</u>	<u>\$ 1,607</u>	<u>\$ 1,157,996</u>	<u>\$ 88,392</u>
Exh. II		(Exh. I)		

NOTE A: Reconciliation of Variance -

Variance as Above:	\$ 88,392
Add:	
Encumbrances included in Fund Balance	1,607
Unappropriated Fund Balance (Fund 077)-	
Available for Subsequent Years (Exh. I)	417,673
Investment in General Fixed Assets	364,035
Reserve for Inventories not included here	<u>34,130</u>
Total Fund Equity per Exhibit I	<u>\$ 905,837</u>



TEXAS STATE BOARD OF PLUMBING EXAMINERS

NOTES TO THE FINANCIAL STATEMENTS

NOTE 1: SIGNIFICANT ACCOUNTING POLICIES

ENTITY

The Texas State Board of Plumbing Examiners operates under the authority of the Plumbing License Law, Tex. Rev. Civ. Stat. Ann. art. 6243-101 (Vernon's Supp. 1984). The function of the Board is to examine, license and regulate persons engaged in plumbing as a primary occupation and any person acting in the capacity of a City Plumbing Inspector. We are a component unit of the State of Texas reporting entity.

BASIS OF PRESENTATION

The accompanying financial statements of the Texas State Board of Plumbing Examiners have been prepared to conform with Generally Accepted Accounting Principles (GAAP) as prescribed by the Governmental Accounting Standards Board (GASB).

FUND STRUCTURE

The accounts of the Board are organized on the basis of funds and account groups, each of which is considered a separate accounting entity. The operations of each fund are accounted for with a complete set of self balancing accounts that comprise its assets, liabilities, fund equity, revenues and expenditures. The fund and account groups used to reflect the Board's transactions are as follows:



GOVERNMENTAL FUND TYPES

Special Revenue Funds - The Board's current Special Revenue Fund, entitled the Plumbing Examiners Fund 077, is a fund in the State Treasury established by statutory amendment effective September 1, 1981. As provided in the current statutes, the Board is provided appropriations out of the Plumbing Examiners Fund, in amounts established by the Legislature, in support of its activities. Examination and licensing fees received by the Board are deposited as unappropriated revenues to the Plumbing Examiners Fund.

ACCOUNT GROUPS

General Fixed Assets - Fixed assets used in governmental fund type operations, such as those of the Board are accounted for by means of a General Fixed Assets Accounts Group rather than in the governmental type fund itself. Purchases of fixed assets are included in fund expenditures, and the assets purchased are usually capitalized at cost in the General Fixed Assets Account Group, with an offsetting addition to an invested fund equity account. An exception to this practice occurs when assets are acquired from another state agency, in which case the assets are capitalized at the carrying value used by the agency from which acquired. There is no provision in the accounts for depreciation of assets.

General Long-Term Obligations - Liabilities expected to be financed from governmental funds in future periods are accounted for by means of a General Long-Term Obligations Account Group.



Such noncurrent liabilities do not affect the measurement of results of operations, with which governmental funds are concerned, and are therefore reflected in this account group, the focus of which is the measurement of financial position. Included in the General Long-Term Obligations Account Group of the Board are liabilities for compensable annual and compensatory leave balances of employees discussed in Note 3.

MEMORANDUM TOTALS

The total columns on the financial statements are captioned "Memorandum Only" to indicate that they are for informational purposes only. Data in these columns does not present the financial position, results of operations, or changes in financial position in conformity with GAAP, nor is such data comparable to a consolidation.

BASIS OF ACCOUNTING

The basis of accounting determines when revenues and expenditures or expenses are recognized in the accounts reported in the financial statements. The governmental fund type is accounted for on the modified accrual basis of accounting. Revenues are recognized when they become both measurable and available. Expenditures are generally recognized when the related fund liability is incurred. An exception is the unpaid employee compensable leave which is not recognized until actual payment is made. This long-term liability is reported in the General Long-Term Debt Account Group.



BUDGETS AND BUDGETARY ACCOUNTING

The budget is prepared biennially and represents appropriations authorized by the Legislature and approved by the Governor (the General Appropriations Act). Encumbrance accounting is employed for budgetary control purposes. Unencumbered appropriations are generally subject to lapse 100 days after the end of the fiscal year for which they are appropriated.

ASSETS, LIABILITIES AND FUND EQUITY

Consumable Inventories

Purchases of supplies and postage have been included in expenditures in the period acquired. Consumable inventories of supplies and postage on hand at year-end, stated at cost, have been recorded in the current assets section of the balance sheet, with an offset to a fund balance reserve, which indicates that these assets do not constitute available spendable resources.

Fixed Assets

Purchases of fixed assets by governmental funds are reported as expenditures. They are capitalized at cost, or, if not purchased, at appraised value on the date of acquisition. There is no provision for depreciation or obsolescence of these fixed assets since replacements are financed from current resources.

Liabilities

Accounts Payable represents the liability for the value of assets or services received at the balance sheet date for which payment was pending at August 31, 1990.



Employee Compensable Leave Balances Not Funded by Current Resources represents the liability that the Board will be required to liquidate in the future for employee vacation time.

RESERVATIONS/DESIGNATIONS OF FUND EQUITY

Reserved for Encumbrances represents commitments of the value of contracts awarded or assets ordered prior to year-end but not received as of that date. Encumbrances are not included with expenditures or liabilities. They represent current resources designated for specific expenditures in subsequent operating periods.

Reserved for Unencumbered Appropriations represents those unexpended appropriations which are subject to lapse or statutory redistribution, and those for which future period expenditure authority is established.

Unreserved/Undesignated represents the unappropriated balance at year end of Special Funds which is available for operations in subsequent years.

NOTE 2: PROPERTY, PLANT AND EQUIPMENT

A summary of changes in General Fixed Assets for the year ended August 31, 1990 follows:

<u>Asset Type</u>	<u>Balance 9-1-89</u>	<u>Additions</u>	<u>Deletions</u>	<u>(Exh. 1) Balance 8-31-90</u>
Furniture & Equipment	\$ 257,926	\$ 12,381	\$ 18,221	\$ 252,086
Vehicles	<u>74,844</u>	<u>55,795</u>	<u>18,690</u>	<u>111,949</u>
TOTALS	<u>\$ 332,770</u>	<u>\$ 68,176</u>	<u>\$ 36,911</u>	<u>\$ 364,035</u>



NOTE 3: EMPLOYEES' COMPENSABLE LEAVE

	<u>ANNUAL LEAVE</u>	<u>FLSA & STATE COMP TIME</u>	<u>TOTALS</u>
Compensable Leave Hours 9-1-89	3,295	123	3,418
Additions-Increases	2,330	370	2,700
Deductions-Decreases	(2,294)	(373)	(2,667)
Compensable Leave Balances 8-31-90	<u>3,331</u>	<u>120</u>	<u>3,451</u>

The Texas State Board of Plumbing Examiners' monetary liability for compensable future absences as of August 31, 1990, as computed by multiplying the above ending balances by the year-end average hourly salary rate for all employees, was as follows:

	<u>General Long-Term Debt Account Group</u>
Annual Leave	\$ 59,984
FLSA & State Comp Time	<u>1,927</u>
Totals (Exh I)	<u>\$ 61,911</u>

NOTE 4: OPERATING LEASE OBLIGATIONS

Included in the expenditures or expenses reported in the financial statements is \$109,043 representing the amount of rent paid under an operating lease. Future minimum rental payments under this operating lease which extends through January 31, 2001 are as follows:

Year Ended August 31,	
1991	\$ 109,353
1992	109,353
1993	109,353
1994	109,353
1995	109,353
1996 and beyond	592,329

As of October 1, 1989, the landlord requested that the CPI Escalation Claus be activated. This resulted in an increase



of \$310.29 rental payment per month. This lease may be cancelled by the State if funds are not appropriated, but the lease cannot be cancelled by the lessor.

NOTE 5: EMPLOYEES RETIREMENT PLANS

The State has joint contributory retirement plans for substantially all its employees. The Agency participates in the plans administered by the Employees Retirement System of Texas. Future pension costs are the liabilities of the Retirement System. The System does not account for each State Agency separately. Annual financial reports prepared by the System include audited financial statements and actuarial assumptions and conclusions. The actuarial valuation of the Employees Retirement System as of August 31, 1989 reflects an overfunded actuarial accrued liability. When the system is overfunded, there is no amortization period for unfunded actuarial accrued liabilities. The contribution rates of employees (6%) and the State (7.4%), are set by the State Legislature. Total payments by the State, related to this Agency for the year ended August 31, 1990, were \$39,299.

NOTE 6: DEFERRED COMPENSATION

At August 31, 1990, one employee of the Agency was participating in the State's Deferred Compensation Program. This program allows employees to defer a portion of their monthly salary for income tax and investment purposes. During the 1990 fiscal year, \$3,060 was withheld from the employee salary to be invested in approved plans as designated by the employee. The State has no additional or unfunded liability for this program.



NOTE 7: MISCELLANEOUS COMMENTS

A summary of payments for professional fees and services for Fiscal Year 1990 follows:

Frank Boyd - Consultant Services	\$ 4,630
Raul M. Gonzalez - Consultant Services	1,800
State Purchasing & General Services Commission - Computer Services	37,977
Parks & Wildlife	8
House of Representatives	642
State Library	163
Texas Water Commission	965
State Comptroller	25
Transfer to GR Fund 001 - Capitol Complex	<u>2</u>
TOTAL (Exh. II)	<u>\$ 46,212</u>

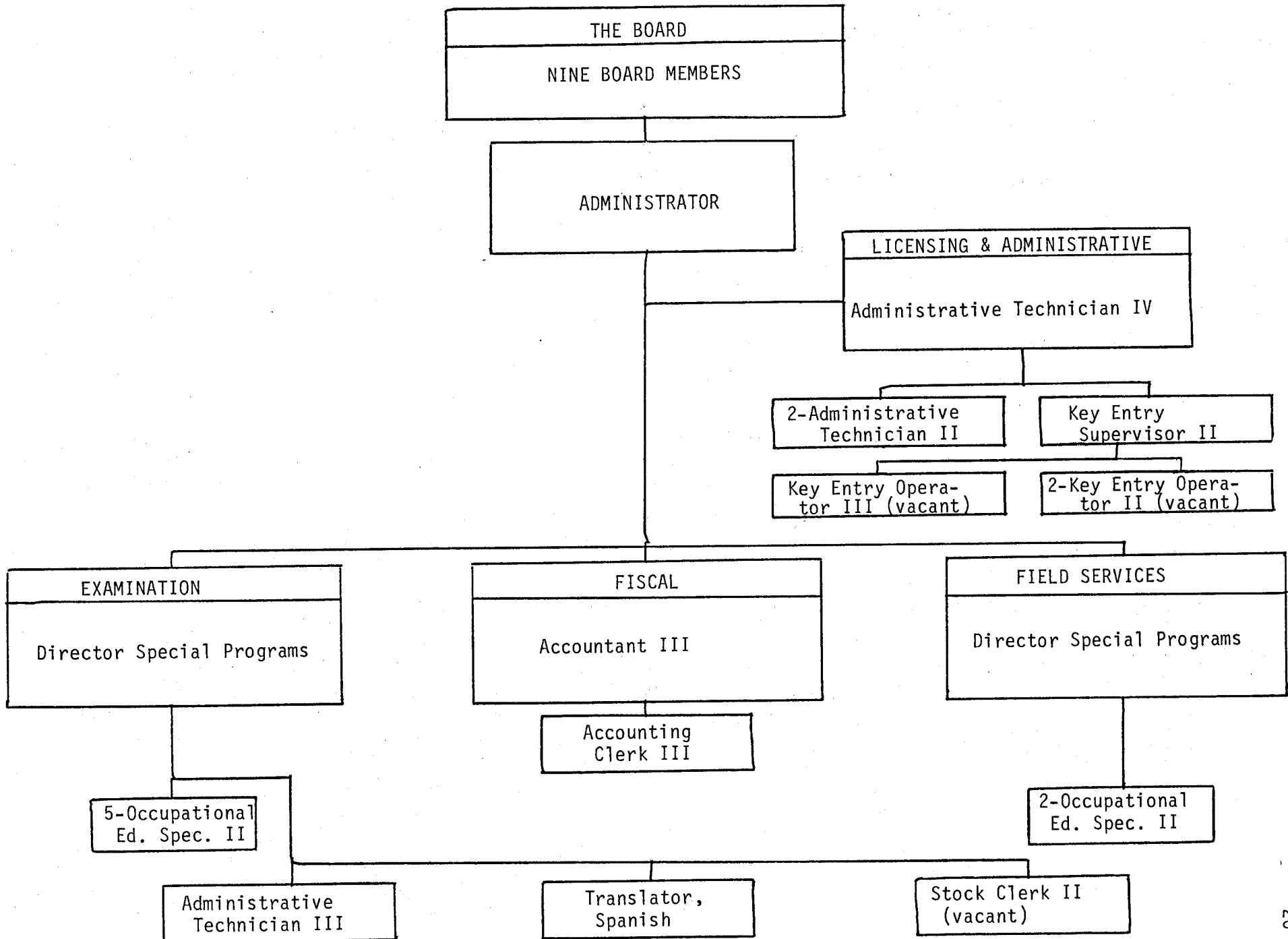
NOTE 8:

No purchase was made in accordance with Article 601b, Section 3.09, VACS to which the State Purchasing and General Services Commission took exception.

NOTE 9: CONTINUANCE SUBJECT TO REVIEW

Under the provision of the Texas Sunset Act, the Texas State Board of Plumbing Examiners will be abolished effective September 1, 1993, unless continued in existence by the Seventy-third Legislature as provided by the Act. If abolished, the Texas State Board of Plumbing Examiners may continue until September 1, 1994, to close out its operation.







Requests for Information

Each year the Board receives requests from other states concerning its operations, examinations and other procedures. The Board is happy to supply any helpful information to another state or political subdivision concerning its licensing or examining procedures.

- California Request from Mr. Bud Nestell, President, Cryogenic Service Corporation, 4928 E. Clinton, Fresno, CA 93727, regarding licensure for work on medical gas systems in Texas.
- Florida Request from Mr. Daryl J. Brown, Abel, Band, Brown, Russell & Collier, Chartered, P. O. Box 49948, Sarasota, FL 34230-6948, concerning wood trusses and plywood roof sheathing.
- Michigan Request from Mr. D. Scott Essenburgh, Engineer, Bradford-White Corporation, 200 Lafayette St., Middleville, MI 49333-0247, for information on regulations for gas or electric water heaters.



FIELD SERVICE ACTIVITY

The Field Service Activities are grouped as follows:

1. Field Visits
2. License Compliance Checks
3. Meetings, Conferences, Seminars, and Training Seminars
4. Plumbing Code Activity



Field Visits

438 cities and towns were visited during FY-1990. As a result of these 438 trips, 2,583 field visits were made. The visits included license compliance checks; contacts with Plumbing Inspectors; contacts with Master and Journeyman plumbers; association officials; contacts with city councils and city officials, such as City Managers and City Attorneys. In the course of investigating complaints, many contacts were made with consumers. Board representatives attended and participated at other meetings and short schools.

License Compliance Checks

A total of 438 license compliance checks were made in 438 cities at least one or more times during the year. A total of 1,887 plumbers were found working on jobs and an additional 232 unlicensed persons doing plumbing work. 89.0% of the persons contacted were in compliance with the Licensing Law. 176 of the 232 found to be unlicensed subsequently obtained their license. 63 have passed the examination and obtained their license. 5 failed the examination and will be re-scheduled for examination after the expiration of the prescribed waiting period. Also, a total of 148 registered apprentice plumbers were found working on jobs and a total of 167 applications for registration as an apprentice plumber were given to apprentices. Most cities of 5,000 or more population were visited one or more times during the year. Every city, regardless of size, requesting assistance was visited and offered the full services of the Board.



The following table shows the frequency of visits to the 15 larger cities, (100,000 population or more according to the 1980 census) number of plumbers contacted on jobs and the number who were unlicensed. In each of the cities listed below one, two, or three representatives were assigned for the time necessary to conduct a license compliance check.

TABLE III
Compliance Checks

<u>City</u>	<u>Number Visits</u>	<u>Number Persons Contacted</u>	<u>Number Persons Unlicensed</u>	<u>Percent Unlicensed</u>
Amarillo	2	23	3	13.0
Arlington	2	26	6	23.1
Austin	4	88	7	7.6
Beaumont	2	11	1	9.1
Corpus Christi	2	42	11	26.2
Dallas	3	109	27	24.8
El Paso	4	127	16	12.6
Ft. Worth	4	70	18	25.7
Garland	2	7	0	0.0
Houston	4	239	13	5.4
Irving	1	1	0	0.0
Lubbock	3	22	3	13.6
Pasadena	2	8	2	25.0
San Antonio	4	73	8	11.0
Waco	3	14	2	14.3



COMPLAINTS

Complaints received regarding failure to complete work or work unsatisfactory:

There were 39 complaints received. Of that number, 26 were resolved. The average time to resolve these complaints was 35.5 days. The way in which these complaints were resolved was by direct contact with plumbers or telephone conversation. 13 complaints are pending as we are waiting for a response from the alleged offender.

Consumer complaints not within our authority regarding alleged overcharges:

There were 10 complaints received in this category. Since they were not within our authority, the complainant was advised to take the matter to a civil court.

Complaints received on non-compliance with License Law and Plumbing Codes:

There were 10 complaints of this type received. All were investigated with recommendations regarding compliance with License Law and/or local codes.



MEETINGS, CONFERENCES AND SEMINARS

- 09/14/89 San Antonio, Conduct seminar on cross-connection and show cross-connection films, Curley's All-Pro Plumbing and San Antonio Apartment Association. 20 people.
- 09/22/89 Rockdale, Conduct seminar on cross-connection and show cross-connection films, Alcoa Aluminum. 60 people.
- 09/24/89 Lubbock, Conduct seminar on cross-connection and show cross-connection films, Southern Building Code International. 23 people.
- 09/27/89 Texas City, Conduct seminar on cross-connection and show cross connection films, City of Texas City. 44 people.
- 09/30/90 Corpus Christi, Conduct seminar on proper drain, waste and vent installtion and State Plumbing License Law, Coastal Bend Association of Municipal Inspectors. 16 people.
- 10/14/90 Austin, Conduct seminar on cross-connection and show cross-connection films, Property Inspectors Academy of Texas. 15 people.
- 10/25/90 Austin, Conduct seminar on cross-connection and show cross-connection films, Texas A&M University. 24 people.
- 10/26/90 San Antonio, Conduct seminar on construction, installation and inspection of septic systems, Building Officials of Texas. 25 people.
- 11/22/89 Austin, Conduct seminar on good plumbing practices and cross-connection, show cross-connection films and explain examination, St. Philips College. 14 people.
- 01/10/90 Rowlett, Conduct seminar on cross-connection and show cross-connection films, cities of Rowlett, Sachse, Wylie and Rockwall. 20 people.
- 01/23/90 Arlington, Conduct seminar on cross-connection and show cross-connection films, American Society of Plumbing Engineers. 38 people.
- 03/06/90 San Antonio, Conduct seminar on cross-connection and show cross-connection films, Balcor Property Management, Inc. 55 people.



- 03/06/90 San Antonio, Conduct seminar on cross-connection and show cross-connection films, Curley's All-Pro Plumbing Repair Service. 46 people.
- 03/14/90 Austin, Conduct seminar on State Plumbing License Law and explain examination, Texas Department of Community Affairs. 85 people.
- 03/15/90 San Antonio, Conduct seminar on cross-connection and show cross-connection films, Texas Rural Water Association. 145 people.
- 04/12/90 Austin, Conduct seminar on cross-connection and proper drain, waste and vent installation and show cross-connection films, Texas State Technical Institute. 11 people.
- 04/15/90 Austin, Conduct seminar on cross-connection and show cross-connection films, American Real Estate Association. 10 people.
- 04/18/90 Harlingen, Conduct seminar on cross-connection, Bush Supply Trade Show. 450 people.
- 05/03/90 San Angelo, Conduct seminar on cross-connection and show cross-connection films, City of San Angelo. 79 people.
- 05/07/90 Abilene, Conduct seminar on cross-connection and show cross-connection films, Central West Texas Regional Water Utilities Short School. 308 people.
- 05/12/90 Andrews, Conduct seminar on cross-connection, City of Andrews. 64 people.
- 05/17/90 South Padre Island, Conduct seminar on code revision and update enforcement practices and on proper drain, waste and vent installation and show cross-connection films, Valley Building Officials Association. 12 people.
- 05/24/90 Humble, Conduct seminar on cross-connection and show cross-connection films, Texas Association of Municipal Health Officials. 35 people.
- 06/10/90 El Paso, Explain examination and conduct seminar on inspection practices and on code revision and update enforcement practices, Texas State Association of Plumbing Inspectors. 61 people.
- 06/26/90 Austin, Conduct seminar on cross-connection and show cross-connection films, Austin Community College. 5 people.



- 07/10/90 Arlington, Conduct seminar on good plumbing practices, on proper drain, waste and vent installation, on State Plumbing License Law, on inspection practices, on code revision and update enforcement practices, show cross-connection films and explain examination, Texas A&M University. 16 people.
- 07/25/90 Tyler, Show cross-connection films, conduct seminar on inspection practices, East Municipal Inspectors Association. 13 people.
- 08/06/90 College Station, conduct seminar on good plumbing practices, on cross-connection, on proper drain, waste and vent installation, on State Plumbing License Law, on inspection practices, show cross-connection films, and explain examination, Texas A&M Mechanical Seminar. 40 people.



Plumbing Code Activity

The Board has continued its assistance and encouragement to small cities in adopting adequate plumbing codes through the development of a Study Guide which includes a small town code known as the Study Guide Code. The Board's representatives have encouraged the review of this code and approximately 43 cities have purchased copies for review and possible adoption as their city code.



EXAMINATION ACTIVITY

Examination Report

The Board conducted 1,685 examinations in FY-1990. 522 were Master examinations, 1,069 were Journeyman examinations, and 94 were Inspector's examinations. Of the 1,685 examined, a total of 1,186 or 70.4%, qualified for their licenses.

A breakdown by category shows that 522 Master Plumber candidates were examined and of that number 432, or 82.8%, passed. 1,069 Journeyman Plumber candidates were examined and 670 or 62.7%, passed. 94 Inspector candidates were examined and 84 or 89.4%, passed.

The monthly breakdown of the Master examinations, showing the number given and the number passing or failing, is shown in Table IV.

The monthly breakdown of Journeyman examinations is shown in Table V.

Table VI shows the number of examinations given by month for the reporting period by category. The passing and failure rate for each is also shown.

Table VII shows the number of Master examinations conducted each year since the Board's inception. It also reveals the number passing and failing along with the percentage of passes and failures.

Table VIII is the same information shown in the same manner on the Journeyman examinations since 1947.

Table IX shows the number of examinations given by category for each year of the Board's operation.



TABLE IV
Monthly Distribution of
Master Examinations for FY-1990

	<u>No. Exam'd</u>	<u>Passed</u>	<u>Failed</u>
September	54	44	10
October	37	30	7
November	32	27	5
December	31	27	4
January	34	25	9
February	57	48	9
March	57	49	8
April	50	43	7
May	36	31	5
June	53	46	7
July	41	31	10
August	<u>40</u>	<u>31</u>	<u>9</u>
Total	522	432	90

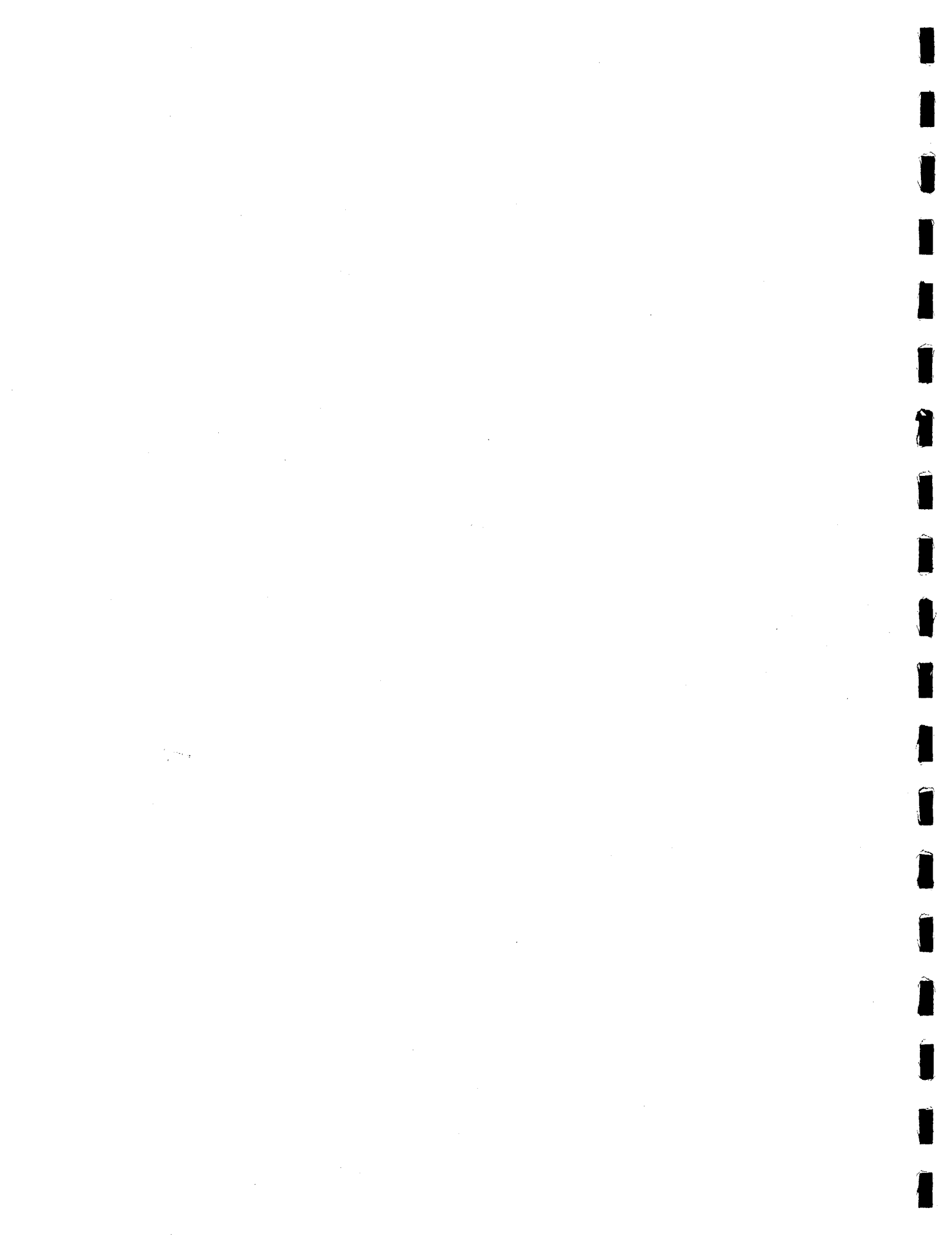


TABLE V
Monthly Distribution of
Journeyman Examinations for FY-1990

	<u>No. Exam'd</u>	<u>Passed</u>	<u>Failed</u>
September	75	40	35
October	73	49	24
November	70	49	21
December	45	27	18
January	51	34	17
February	110	72	38
March	125	81	44
April	130	89	41
May	88	56	32
June	106	62	44
July	93	50	43
August	<u>103</u>	<u>61</u>	<u>42</u>
Total	1,069	670	399



TABLE VI
 Monthly Distribution of
 Master and Journeyman Examinations for FY-1990

	<u>No.</u> <u>Exam'd</u>	<u>Passed</u>	<u>Percent</u>	<u>Failed</u>	<u>Percent</u>
September	129	84	65.1	45	34.9
October	110	79	71.8	31	28.2
November	102	76	74.5	26	25.5
December	76	54	71.1	22	28.9
January	85	59	69.4	26	30.6
February	167	120	71.9	47	28.1
March	182	130	71.4	52	28.6
April	180	132	73.3	48	26.7
May	124	87	70.2	37	29.8
June	159	108	67.9	51	32.1
July	134	81	60.4	53	39.6
August	<u>143</u>	<u>92</u>	<u>64.3</u>	<u>51</u>	<u>35.7</u>
Total	1,591	1,102	69.3	489	30.7



TABLE VII
 Comparative Analysis of Master Examinations
 Given Annually by State Plumbing Board

	<u>Examined</u>	<u>Passed</u>	<u>Percent Passed</u>	<u>Failed</u>	<u>Percent Failed</u>	<u>Cumulative Total Examined</u>
1947	35	32	91.4	3	8.6	35
1948	38	313	92.6	25	7.4	373
1949	429	370	86.2	59	13.8	802
1950	426	374	87.7	52	12.3	1,228
1951	278	176	63.6	102	36.4	1,506
1952	419	293	69.9	126	30.1	1,925
1953	356	292	82.0	64	18.0	2,281
1954	311	234	75.3	77	24.7	2,592
1955	345	268	77.8	77	22.2	2,937
1956	331	259	78.0	72	22.0	3,268
1957	308	240	77.8	68	22.2	3,576
1958	303	238	78.5	65	21.5	3,879
1959	354	248	70.0	106	30.0	4,233
1960	389	291	74.8	98	25.2	4,622
1961	332	248	74.4	84	25.6	4,954
1962	349	270	77.3	79	22.7	5,303
1963	353	262	74.2	91	25.8	5,656
1964	424	310	73.1	114	26.9	6,080
1965	419	299	71.4	120	28.6	6,499
1966	307	223	72.7	84	27.3	6,806
1967	311	225	72.4	86	27.6	7,117



TABLE VII - concluded

	<u>Examined</u>	<u>Passed</u>	<u>Percent Passed</u>	<u>Failed</u>	<u>Percent Failed</u>	<u>Cumulative Total Examined</u>
1968	354	264	74.6	90	25.4	7,471
1969	424	316	74.5	108	25.5	7,895
1970	412	300	73.0	112	27.0	8,307
1971	501	386	74.1	115	23.0	8,808
1972	726	557	76.6	169	23.4	9,534
1973	623	505	81.0	118	19.0	10,157
1974	543	454	83.6	89	16.4	10,700
1975	500	431	86.2	69	13.8	11,200
1976	544	472	86.8	72	13.2	11,744
1977	679	590	86.9	89	13.1	12,423
1978	780	680	87.2	100	12.8	13,203
1979	816	722	88.5	94	11.5	14,019
1980	716	629	87.8	87	12.2	14,735
1981	616	540	87.7	76	12.3	15,351
1982	899	789	87.8	110	12.2	16,250
1983	950	803	84.5	147	15.5	17,200
1984	971	822	84.7	149	15.3	18,171
1985	1,123	947	84.3	176	15.7	19,294
1986	834	723	86.7	111	13.3	20,128
1987	693	567	81.8	126	18.2	20,962
1988	542	472	87.1	70	12.9	21,504
1989	485	410	84.5	75	15.5	21,989
1990	522	432	82.8	90	17.2	22,511



TABLE VIII

Comparative Analysis of Journeyman Examinations
Given Annually by State Plumbing Board

	<u>Examined</u>	<u>Passed</u>	<u>Percent Passed</u>	<u>Failed</u>	<u>Percent Failed</u>	<u>Cumulative Total Examined</u>
1947	86	68	79.0	18	21.0	86
1948	1,196	926	77.4	270	22.6	1,282
1949	936	751	80.2	185	19.8	2,218
1950	1,051	690	65.6	361	34.4	3,269
1951	751	421	56.0	330	44.0	4,020
1952	725	415	57.3	310	42.7	4,745
1953	625	414	66.2	211	33.8	5,370
1954	664	410	61.7	254	38.3	6,034
1955	760	544	71.6	216	28.4	6,794
1956	605	417	69.0	188	31.0	7,399
1957	455	323	71.0	132	29.0	7,854
1958	623	432	69.3	191	30.7	8,477
1959	757	528	69.9	229	30.1	9,234
1960	579	413	71.3	166	28.7	9,813
1961	500	379	75.9	121	24.1	10,313
1962	615	463	75.3	152	24.7	10,928
1963	751	585	77.9	166	22.1	11,679
1964	780	588	75.4	192	24.6	12,459
1965	728	442	60.7	286	39.3	13,187
1966	640	390	61.0	250	39.0	13,827
1967	696	459	65.8	237	34.2	14,523



TABLE VIII - concluded

	<u>Examined</u>	<u>Passed</u>	<u>Percent Passed</u>	<u>Failed</u>	<u>Percent Failed</u>	<u>Cumulative Total Examined</u>
1968	956	550	57.5	406	42.5	15,479
1969	1,161	575	65.8	404	34.2	16,640
1970	979	626	64.0	353	36.0	17,619
1971	1,122	817	72.8	305	27.2	18,741
1972	1,568	1,030	69.1	538	34.3	20,309
1973	1,221	861	70.5	360	29.5	21,530
1974	1,128	863	76.5	265	23.5	22,658
1975	987	857	86.8	130	13.2	23,645
1976	1,137	909	80.0	228	20.0	24,782
1977	1,419	1,062	74.8	357	25.2	26,201
1978	1,558	1,164	74.7	394	25.3	27,759
1979	1,900	1,460	76.8	440	23.3	29,659
1980	1,740	1,188	68.3	552	31.7	31,399
1981	1,210	894	73.9	316	26.1	32,609
1982	1,401	990	70.7	411	29.3	34,010
1983	1,668	1,142	68.5	526	31.5	35,678
1984	2,089	1,458	69.8	631	30.2	37,767
1985	2,145	1,526	71.1	619	28.9	39,912
1986	1,826	1,206	66.1	620	33.9	41,738
1987	1,295	862	66.6	433	33.4	43,033
1988	1,319	903	68.5	416	31.5	44,352
1989	853	598	70.1	255	29.9	45,205
1990	1,069	670	62.7	399	37.3	46,274



TABLE IX
 Comparative Summary of Examinations
 Given Annually by State Plumbing Board

	<u>Master</u>	<u>Journeyman</u>	<u>Inspector</u>	<u>Total</u>
1947	35	86	0	121
1948	338	1,196	37	1,571
1949	429	936	66	1,431
1950	426	1,051	45	1,522
1951	278	751	55	1,084
1952	419	725	49	1,193
1953	356	625	58	1,039
1954	311	664	48	1,023
1955	345	760	46	1,151
1956	331	605	58	994
1957	308	455	54	817
1958	303	623	64	990
1959	354	757	53	1,164
1960	389	579	59	1,027
1961	332	500	52	884
1962	349	615	29	993
1963	353	751	78	1,182
1964	424	780	62	1,266
1965	419	728	63	1,210
1966	307	640	83	1,030
1967	311	696	80	1,087
1968	354	956	82	1,392



TABLE IX - concluded

	<u>Master</u>	<u>Journeyman</u>	<u>Inspector</u>	<u>Total</u>
1968	354	956	82	1,392
1969	424	1,161	68	1,653
1970	412	979	65	1,456
1971	501	1,122	80	1,703
1972	726	1,568	129	2,423
1973	623	1,221	105	1,949
1974	543	1,128	93	1,764
1975	500	987	77	1,564
1976	544	1,137	95	1,776
1977	679	1,419	123	2,221
1978	780	1,558	123	2,461
1979	816	1,900	108	2,824
1980	716	1,740	105	2,561
1981	616	1,210	79	1,905
1982	899	1,401	106	2,406
1983	950	1,668	128	2,746
1984	971	2,089	138	3,198
1985	1,123	2,145	58	3,426
1986	834	1,826	153	2,813
1987	693	1,295	118	2,106
1988	542	1,319	96	1,957
1989	485	853	96	1,434
1990	522	1,069	94	1,591



EDUCATIONAL FACILITIES

OF

THE EXAMINATION CENTER

The Examination Center is visited each year by several groups of students, health officers, inspectors and others. Among the visiting groups this year were members of the Property Inspectors Academy, Texas A&M Cross-Connection Backflow Prevention Device Testing School, St. Philips College plumbing class, American Real Estate Inspectors Society, Texas State Technical Institute plumbing class and Austin Community College plumbing class.

The Director of Special Programs attended many meetings, conferences and seminars, among them the San Antonio Apartment Association, sponsored by All Pro Plumbing Company, San Antonio; Alcoa Aluminum Plant, Rockdale; Rowlett Water and Sewer Department, Rowlett; American Society of Plumbing Engineers, Dallas-Fort Worth Chapter, Arlington; Texas State Association of Plumbing Inspectors, El Paso; Texas Municipal Inspectors Short School and Conference, A&M University, College Station; Monier Plumbing Company, San Antonio; U.S.S.A. Corporation, San Antonio; International Association of Plumbing & Mechanical Officials Code Change Conference, Sparks, Nevada; Southern Building Code Congress International, Code Change Conference, Charlotte, North Carolina; Southern Building Code Congress International, Pre-Code Conference, Birmingham, Alabama; Virginia Department of Health, Richmond, Virginia; Mississippi Rural Water Conference, Biloxi, Mississippi and American Backflow Association National Conference, Chicago, Illinois.



One of the Occupational Education Specialists attended various meetings, conferences and seminars among them the Plumbing Inspection Department, Texas City; International Conference of Building Officials, Lubbock; Coastal Bend Association of Municipal Inspectors, Corpus Christi; Balcor Property Management, San Antonio; Texas Rural Water Association, San Antonio; Bush Supply Trade Show, Harlingen; Inspection and Permit Department, San Angelo; Valley Building Officials Association, South Padre Island and City of Andrews Trade Show, Andrews.



Book Library Activity

The Board maintains a library of technical books on sanitary plumbing practices which it loans, upon request, to persons wishing to study for the examination.

There were 1,434 copies of the Study Guide Code sent to applicants for the examination who had requested them as well as to other parties who manifested an interest. A total of 96 copies of the Study Guide Code were loaned to City Plumbing Inspectors at various times.



Film Library Activity

The Board also maintains a library of educational films and a videotape for use by schools, trade groups, inspection meetings, and other public institutions.

4 different films plus the videotape were used 65 times for various types of meetings. The following tabulation shows the use of these films and the videotape:

1. Cross-Connections: The Unseen Hazard

Mr. Gilbert Villa, Building Official	Azle
Mr. Fred Lewis, Associated Builders & Contractors	Dallas
Ms. Evelyn Russell, Dallas ISD	Dallas
Mr. John Hudson, Water/Wastewater Utilities	Denton
Mr. Greg Stracener, City of Denton	Denton
Mr. Tim Berman, Houston Community College	Houston
Mr. William Brock	Houston
Mr. Chris Drake, San Jacinto College North	Houston
Mr. Arthur Gunter, Gunter Plumbing Company	Houston
Mr. John Moore, Moore Plumbing	Houston
Mr. R. J. Bagwell, Building Official	Liberty
Mr. Bill Wright, Plumbing Inspector	Mexia
Mr. William S. Drum, Chief Plumbing Inspector	Midland
Mr. Ron Hobbs, All Pro Plumbing	San Antonio
Mr. E. L. Pinckard, J. F. Kennedy High School	San Antonio
Mr. Bill Stephens, City of Snyder	Snyder
Mr. Pete Boone, Mississippi Rural Water Association	Hattiesburg, MS
Mr. Henry C. Heid, Local Union No. 27	Coraopolis, PA

USES BY PLUMBING BOARD FIELD MEN AND CHIEF EXAMINER

Texas A&M University	Arlington
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2. Anybody Can Do It?

Mr. Fred Lewis, Associated Builders and Contractors	Dallas
Ms. Evelyn Russell, Adult Occupational Education	Dallas
Mr. John Hudson, Water/Wastewater Utilities	Denton
Mr. Greg Stracener, City of Denton	Denton
Mr. Bill Shipp, City of Freeport	Freeport
Mr. Gerald L. Alldredge	Houston



Mr. Tim Berman, Houston Community College	Houston
Mr. William Brock	Houston
Mr. Chris Drake, San Jacinto College North	Houston
Mr. John Moore, Moore Plumbing	Houston
Mr. David A. Collins, Chief Code Officer	Iowa Park
Mr. Thomas E. Thompson, Chief Plumbing Inspector	Kerrville
Mr. R. J. Bagwell, Building Official	Liberty
Mr. Bill Wright, Plumbing Inspector	Mexia
Mr. Ron Hobbs, All Pro Plumbing	San Antonio
Mr. E. L. Pinckard, J. F. Kennedy High School	San Antonio
Mr. Billy Stephens, City of Snyder	Snyder
Mr. Pete Boone, Mississippi Rural Water Association	Hattiesburg, MS
Mr. Henry C. Heid, Local Union No. 27	Coraopolis, PA

USES BY PLUMBING BOARD FIELD MEN AND CHIEF EXAMINER

Mr. Stanley W. Thompson, Central West Texas Regional American Society of Plumbing Engineers (Dallas- Fort Worth Chapter) Texas A&M University	Abilene Arlington Arlington
Mr. Jim Bohannon, Property Inspectors Academy	Austin
Mr. Tommy Patterson, City of Austin	Austin
Mr. John Pratt, Texas State Technical Institute	Austin
Mr. Andrew L. Rosen, Austin Chapter of the American Real Estate Inspectors Society	Austin Austin
St. Philips College, Instructors and Students	
Texas A&M Cross-Connection Backflow Prevention Device Testing School	Austin
Texas A&M University Mechanical Seminar	College Station
Mr. Tim Younts, Texas Association of Municipal Health Officials	Humble
Llano Estacado Chapter of ICBO and SBCCI	Lubbock
Mr. R. E. (Eddie) Clark, Alcoa Aluminum Plant	Rockdale
Mr. Junior Garza, Rowlett Fire Department	Rowlett
Mr. George Davis, Chief Plumbing Inspector and Mr. Sully Montgomery, Director of Inspections and Permit Department	San Angelo
Mr. Ron Hobbs, All Pro Plumbing	San Antonio
Mr. H. D. Johnson, Curly's All Pro Plumbing	San Antonio
Mr. Ronald Pfeifer, Balcor Property Management	San Antonio
Texas Rural Water Association	San Antonio
Mr. Ray Burgess, Plumbing Inspector	Texas City
East Texas Municipal Inspectors Association	Tyler

3. All In A Day's Work

Ms. Evelyn Russell, Adult Occupational Education	Dallas
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Mr. Tim Berman, Houston Community College	Houston
Mr. Lloyd Smith	Duncan, OK
USES BY PLUMBING BOARD FIELD MEN AND CHIEF EXAMINER	
St. Philips College, Instructors and Students	Austin

4. Explosion Danger Lurks

Mr. Bill Thunderbirg, City of Commerce	Commerce
Mr. E. L. Pinckard, J. F. Kennedy High School	San Antonio



