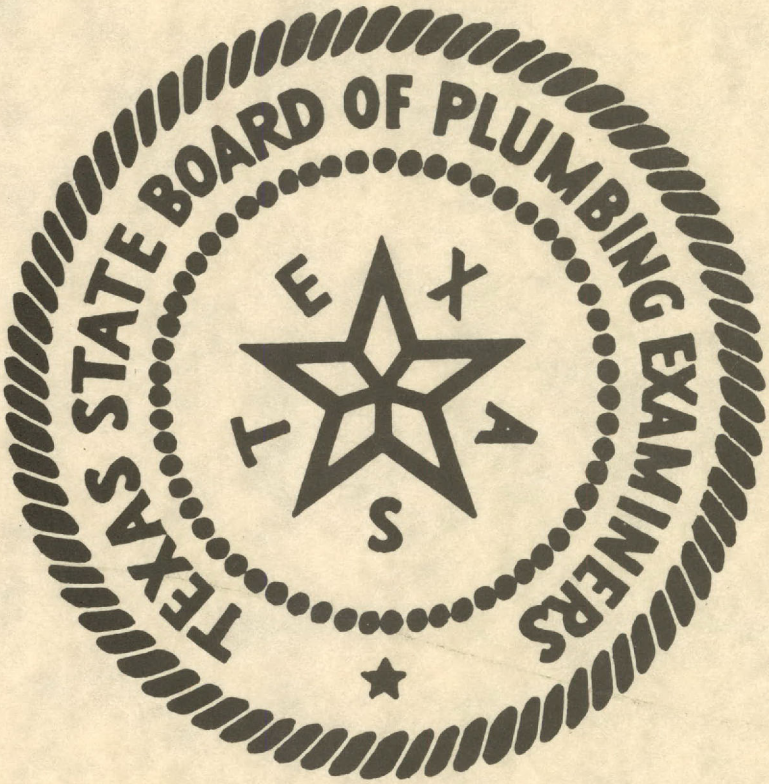

ANNUAL REPORT

1987

Austin, Texas

ANNUAL REPORT

T E X A S S T A T E B O A R D

O F

P L U M B I N G E X A M I N E R S

Austin, Texas

Year ended August 31, 1987

LYNN BROWN
ADMINISTRATOR

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TEXAS STATE BOARD OF PLUMBING EXAMINERS

929 EAST 41ST STREET
P.O BOX 4200
AUSTIN, TEXAS 78765
512/458-2145

December 1, 1987

Mr. Bob Bullock
Comptroller of Public Accounts
LBJ State Office Building
Austin, Texas 78774

Dear Mr. Bullock:

As directed by Senate Bill 1, Second Called Session, 70th Legislature, we hereby submit the 100 Day Report (Annual Report) for the Texas State Board of Plumbing Examiners.

The State Auditor has not audited the accompanying annual financial report and, therefore, has not expressed an opinion on the financial statements and related information contained in this report.

The name and telephone number of the person to contact relative to this report is shown in the letterhead.

Yours truly,

Lynn Brown, Administrator

LB:mll

B O A R D M E M B E R S

NAME	TITLE	CITY
EDWARD A. TSCHOEPE	CHAIRMAN	SAN ANTONIO
WILLIAM G. WHEELER	VICE-CHAIRMAN	VICTORIA
W. D. "BILL" PICKENS	SECRETARY	HOUSTON
STANLEY J. BRIERS	MEMBER	SEABROOK
JOE W. CAMPBELL	MEMBER	HOUSTON
J. L. DRYMALLA	MEMBER	COLUMBUS
MARIO ESTRADA	MEMBER	SAN ANTONIO
RONALD G. GOODNIGHT	MEMBER	KILLEEN
E. L. SMITH	MEMBER	SAN ANTONIO

LYNN BROWN ADMINISTRATOR

STAFF MEMBERS

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

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 dysentary. 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.

NAME	CITY	REPRESENTATION	TERM EXPIRES SEPTEMBER 5
Edward A. Tschoepe Chairman	San Antonio	Sanitary Engineer	1987
William G. Wheeler Vice-Chairman	Victoria	Plumbing Inspector	1987
W. D. "Bill" Pickens Secretary	Houston	Journeyman Plumber	1991
Stanley J. Briers	Seabrook	Plumbing Contractor	1991
Joe W. Campbell	Houston	Public Member	1991
J. L. Drymalla	Columbus	Commercial Builder Contractor	1989
Mario Estrada	San Antonio	Public Member	1989
Ronald G. Goodnight	Killeen	Home Builder Contractor	1989
Edward Lee Smith	San Antonio	Master Plumber	1987

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 Sepcialist II
Yolanda Hernandez	Administrative Technician III
Christopher A. Hoag	Stock Clerk II
Mary B. Lewandowski	Key Entry Supervisor II
C. W. Lindley	Director Special Programs
William J. Marks	Occupational Education Specialist II
Mary P. McCallister	Administrative Technician II
Don A. Nelson	Director Special Programs
Elneeta M. Prewitt	Key Entry Operator III
Patsy M. Russell	Administrative Technician IV
Mary Jo Sewell	Administrative Technician II
Charles R. Silguero	Translator, Spanish
Ruby M. Stiba	Accounting Clerk III
J. H. Walker	Occupational Education Specialist II
Bertis R. Ward	Occupational Education Specialist II
Larry Decker 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, 1991. 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 56.87¢ per sq.ft.; $8,802.46 per month; or $105,629.52 per year. The space is leased under the terms of Lease and

Rental contract PE 7925-E-Austin on file with the State Purchasing and General Services Commission. The space is leased from J. Byron Smith, 1023 Shook Av., San Antonio 78212. The Board does not occupy any space in State owned buildings, or space in any other location.

In FY-1987 the total number of licenses, of all categories, decreased by 330 or 1.4%. 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 355 cities were visited during FY-1987, resulting in 2,038 field visits. A total of 1,472 plumbers were challenged on the job for licenses; approximately 72.5% were in compliance with the Law. A total of 45 registered apprentices were also contacted on the job and 166 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 wide spread 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 continued its service to small towns in the State encouraging them to adopt a modern, adequate plumbing code. This is being accomplished by the development of a small town code Study Guide for the examination. This will replace code service to small towns which the Texas Municipal League abruptly abandoned.

Apprentice permit cards are available to any person learning the trade. A total of 876 Apprentice plumbers were registered in FY-1987 bringing the total to 15,512 since the inception of registration in 1972.

All 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 2,106 examinations during the year. The overall failure rate was 28.1%. 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 most recent request from the Board to destroy obsolete records was dated July 1, 1987.

Three Board meetings were held during this reporting period.

GENERAL INFORMATION

License Activity Report

A total of 22,520 licenses were issued by the Board during the year; 10,851 of these were Master licenses; 10,625 were Journeyman licenses; and 1,044 were Plumbing Inspector licenses. This represented a total decrease of 330 licenses for the year, or approximately 1.4%. Broken down by category, the Master licenses increased 0.2%; Journeyman licenses decreased 3.1%; and Plumbing Inspector licenses decreased 1.4%.

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 22,520 licenses issued in 1987 were obtained.

TABLE I

Report of Licenses Issued
by the State Plumbing Board

	By Renewal	By Examination	Total
Master	10,261	590	10,851
Journeyman	9,761	864	10,625
Inspector	937	107	1,044
Total	20,959	1,561	22,520

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
State Plumbing Board

	Masters	Journeyman	Inspectors	Total
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	457	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

TABLE II - continued

	Masters	Journeyman	Inspectors	Total
1965	4,561	7,048	581	12,265
1966	4,605	7,050	610	12,265
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

UNAUDITED

EXHIBIT I

TEXAS STATE BOARD OF PLUMBING EXAMINERS
COMBINED BALANCE SHEET
ALL FUND TYPES AND ACCOUNT GROUPS
August 31, 1987

	GOVERNMENTAL FUND TYPES
	SPECIAL REVENUE FUND 077
ASSETS	
Cash:	
Cash on Hand	$ 31,629
Cash in State Treasury	1,991,003
Suspense Fund-Receipts Pending Transfer	10,935
Consumable Inventories	17,552
Furniture and Equipment	
Vehicles	
Amounts to be Provided in Future Years	
TOTAL ASSETS	$ 2,051,119

ACCOUNT GROUPS		
GENERAL FIXED ASSETS	GENERAL LONG-TERM DEBT	TOTALS (Memorandum only)
$	$	$ 31,629
		1,991,003
		10,935
		17,552
222,887		222,887
65,334		65,334
	52,736	52,736
$ 288,221	$ 52,736	$ 2,392,076

UNAUDITED

EXHIBIT I (Continued)

	GOVERNMENTAL FUND TYPES SPECIAL REVENUE FUND 077
LIABILITIES	
Accounts payable	$ 8,233
Deferred Revenue	31,629
Employees' Compensable Leave	
Suspense Fund - Receipts Pending Transfer	10,935
TOTAL LIABILITIES	50,797
FUND EQUITY	
Investment in General Fixed Assets	
FUND BALANCES	
Reserved For:	
Encumbrances (Exh. III)	41,163
Unencumbered Legislative Appropriations - Subject to Lapse	7,235
Inventories	17,552
Unreserved:	
Undesignated:	
Available for Subsequent Years	1,934,372
TOTAL FUND EQUITY	2,000,322
TOTAL LIABILITIES AND FUND EQUITY	$ 2,051,119

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

ACCOUNT GROUPS		
GENERAL FIXED ASSETS	GENERAL LONG-TERM DEBT	TOTALS (Memorandum only)
$	$	$ 8,233
		31,629
	52,736	52,736
		10,935
0	52,736	103,533
288,221		288,221
		41,163
		7,235
		17,552
		1,934,372
288,221	0	2,288,543
$ 288,221	$ 52,736	$ 2,392,076

EXHIBIT II

TEXAS STATE BOARD OF PLUMBING EXAMINERS
COMBINED STATEMENT OF REVENUES, EXPENDITURES & CHANGES IN FUND BALANCES,
ALL GOVERNMENTAL FUND TYPES
FOR THE YEAR ENDED AUGUST 31, 1987

	GOVERNMENTAL FUND TYPES
	SPECIAL REVENUE FUND 077
REVENUES:	
License Fees	$ 1,118,689
Examination Fees	121,475
Late Fees	125,753
Sales of Goods and Services:	
Sale of Publications	460
Sale of Scrap Metals	184
Fee for Copy of License	1,570
Commission on Coca Cola Machine	30
OTHER REVENUES:	
Small Fees	399
TOTAL REVENUES	1,368,560
EXPENDITURES:	
Salaries and Wages	565,366
Payroll Related Costs:	
Retirement Contributions	42,173
Group Insurance - State Contributions	34,872
Social Security Matching Contributions	41,070
Social Security Payments by State (5.85%)	20,246
Professional Fees and Services:	
Consultant Fees	4,180
Audit Fees	5,318
Travel	22,643
Materials and Supplies	39,302
Communication and Utilities	24,520
Repairs and Maintenance	5,313
Rentals and Leases:	
Equipment Rental	482
Office Space Rental	105,630
Printing and Reproduction	4,309
Other Operating Expenditures	54,407
Capital Outlay	6,945
TOTAL EXPENDITURES	976,776
EXCESS OF REVENUES OVER EXPENDITURES	$ 391,784

EXHIBIT II (Continued)

	GOVERNMENTAL FUND TYPES SPECIAL REVENUE FUND 077
OTHER FINANCING SOURCES (USES):	
Interfund Transfers - Out (To Fund 001):	
For Services Performed by Attorney General's Office	$ (15,000)
General Service Transfers	(45,901)
Net Increase in Consumable Inventories	2,029
TOTAL OTHER FINANCING SOURCES (USES)	(58,872)
EXCESS OF REVENUES & OTHER FINANCING SOURCES OVER EXPENDITURES & OTHER FINANCING USES	332,912
FUND BALANCES - September 1, 1986	1,667,410
FUND BALANCES - August 31, 1987 (Exh I)	$ 2,000,322

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, 1987

	Funds Budgeted			
ACTIVITY	Legislative Appropriations	Additional Appropriations and Adjustments	Transfers Between Appropriations	Totals
Legislative Appropriations				
Current Year				
Per Diem-Board Members	$ 2,030	$	$	$ 2,030
Administrator	52,900	1,587		54,487
Other Administration	246,404	4,363		250,767
Licensing/Examination	386,479	9,417	9,500	405,396
Field Services	124,073	2,978	1,500	128,551
Computer Services	50,270		(11,000)	39,270
Other Appropriations				
Retirement		42,173		42,173
Social Security Contributions		61,316		61,316
Insurance Contributions		34,872		34,872
State Auditor's Fee		5,318		5,318
General Revenue Service		45,901		45,901
Attorney General Service		15,000		15,000
TOTAL, Current Year Legislative Appropriations				
Prior Year Appropriations	84,255	(10)		84,245
TOTAL APPROPRIATIONS	$ 946,411	$ 222,915	$ 0	$ 1,169,326

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

Funds Applied and Encumbered

Expenditures and Other Financing Uses	Appropriations Lapsed	Encumbrances	Totals	Variance
$ 1,110	$	$	$ 1,110	$ 920
54,487			54,487	0
240,233		6,913	247,146	3,621
369,337		34,250	403,587	1,809
128,107			128,107	444
38,829			38,829	441
42,173			42,173	-
61,316			61,316	-
34,872			34,872	-
5,318			5,318	-
45,901			45,901	-
15,000			15,000	-
994	83,251		84,245	-
$ 1,037,677	$ 83,251	$ 41,163 (Exh I)	$ 1,162,091	$ 7,235 (A)

NOTE A: Reconciliation of Variance-

Variance as Above:	$ 7,235
Add:	
Encumbrances included in Fund Balance	41,163
Unappropriated Fund Balance (Fund 077)- Available for Subsequent Years	1,934,372
Investment in General Fixed Assets	288,221
Reserve for Inventories not included here	17,552
Total Fund Equity per Exhibit I	$ 2,288,543

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.

BASIS OF PRESENTATION

The accompanying financial statements have been prepared in conformity with generally accepted accounting principles as established by the Governmental Accounting Standards Board.

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 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.

BASIS OF ACCOUNTING

As a governmental fund type, the Board's Fund is accounted for using the modified accrual basis of accounting. Under the modified accrual basis, revenues are recognized in the accounting period in which they become available and measureable as net current assets. Expenditures are recognized in the accounting period in which the fund liability is incurred, except expenditures for compensated annual leave and compensatory leave, which are not recognized until events occur which make payment necessary.

BUDGETS AND BUDGETARY ACCOUNTING

The Board's legal spending limits are those passed by the Legislature in General Appropriations Acts and other spending legislation. The budgetary data presented in Exhibit III, Comparison of Funds Budgeted to Funds Applied

and Encumbered - Special Revenue Fund was prepared on the modified accrual basis of accounting in the format adopted by the Legislature. The beginning balance of the prior year's appropriations, as reported in that statement, is the sum of the unencumbered balances of the Plumbing Examiners Fund appropriations and the reserve for encumbrances as of the end of the previous fiscal year.

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 no 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 sevices received at the balance sheet date for which payment is pending.

Employee Compensable Leave Balances Not Funded by Current Resources represents the liability that the Board will be required to liquidate in the future and arises from the accumulated compensable leave due employees as of August 31, 1987.

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 are available for operations in subsequent years.

INTERFUND TRANSACTION

These transactions include transfers from the Plumbing Examiners Fund to the State's General Revenue Fund to compensate for services rendered by the office of the Attorney General and

other state agencies.

NOTE 2: PROPERTY, PLANT AND EQUIPMENT

A summary of changes in General Fixed Assets for the year ended August 31, 1987 follows:

	ASSET TYPE	
	FURNITURE EQUIPMENT	VEHICLES
BALANCE 9-1-86	$ 215,942	$ 65,334
ADDITIONS	6,945	0
BALANCE 8-31-87	$ 222,887 (Exh I)	$ 65,334 (Exh I)

NOTE 3: EMPLOYEES' COMPENSABLE LEAVE

	ANNUAL LEAVE	FLSA & STATE COMP TIME	TOTALS
Compensable Leave Hours 9-1-86	3,187	45	3,232
Leave Hours earned	2,548	256	2,804
Leave hours compensated			
By time off	(1,979)	(185)	(2,164)
By monetary payment	(135)		(135)
Leave hours lost or cancelled	(276)		(276)
Compensable Leave Balances 8-31-87	3,345	116	3,461

The Texas State Board of Plumbing Examiners' monetary liability for compensable future absences as of August 31, 1987, as computed by multiplying the above ending balances by the year-end average hourly salary rate for all employees, were as follows:

	General Long-Term Debt Account Group
Annual Leave	$ 51,099
FLSA & State Comp Time	1,637
Totals (Exh I)	$ 52,736

NOTE 4: OPERATING LEASE OBLIGATIONS

Included in the expenditures reported in the financial statements is $105,630 representing amount of rent paid under an operating lease.

Future minimum rental payments under this operating lease which extends through January 31, 1991 are as follows:

Year Ended August 31,	
1988	$105,630
1989	105,630
1990	105,630
1991	44,012

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 accounts for each State Agency separately. Annual financial reports prepared by the System include audited financial statements and actuarial assumptions and conclusions.

At August 31, 1987, the actuarially computed value of pension liability for the Employees Retirement System exceeded total assets of the System. According to the independent actuary,

the contribution rates of employees (6%) and the State (7.4%), as set by the State Legislature, will amortize the unfunded liability over a period of 18.8 years if contribution rates remain the same and actuarial assumptions in the aggregate prove to be reasonable.

Total cost to the State for the employees of this agency for the year ended August 31, 1987, was $42,173 as shown in Exhibit II.

NOTE 6: DEFERRED COMPENSATION

As of August 31, 1987, no employees of this Agency were participating in the State's Deferred Compensation Program.

NOTE 7: INDIRECT COSTS

In addition to the direct expenditures shown in Exhibit II, $492 was paid by the Employees Retirement System on behalf of employees for group insurance premiums from the Employee Life, Accident and Health Insurance and Benefits Account.

NOTE 8: MISCELLANEOUS COMMENTS

The professional fees are payments for consultant services.

A summary of payments for Fiscal Year 1987 follows:

Frank Boyd - Consultant Services	$ 1,410
Charles L. Davis - Consultant Services	1,350
Raul M. Gonzales - Consultant Services	300
William H. Lalla - Consultant Services	1,120
TOTAL (Exh II)	$ 4,180

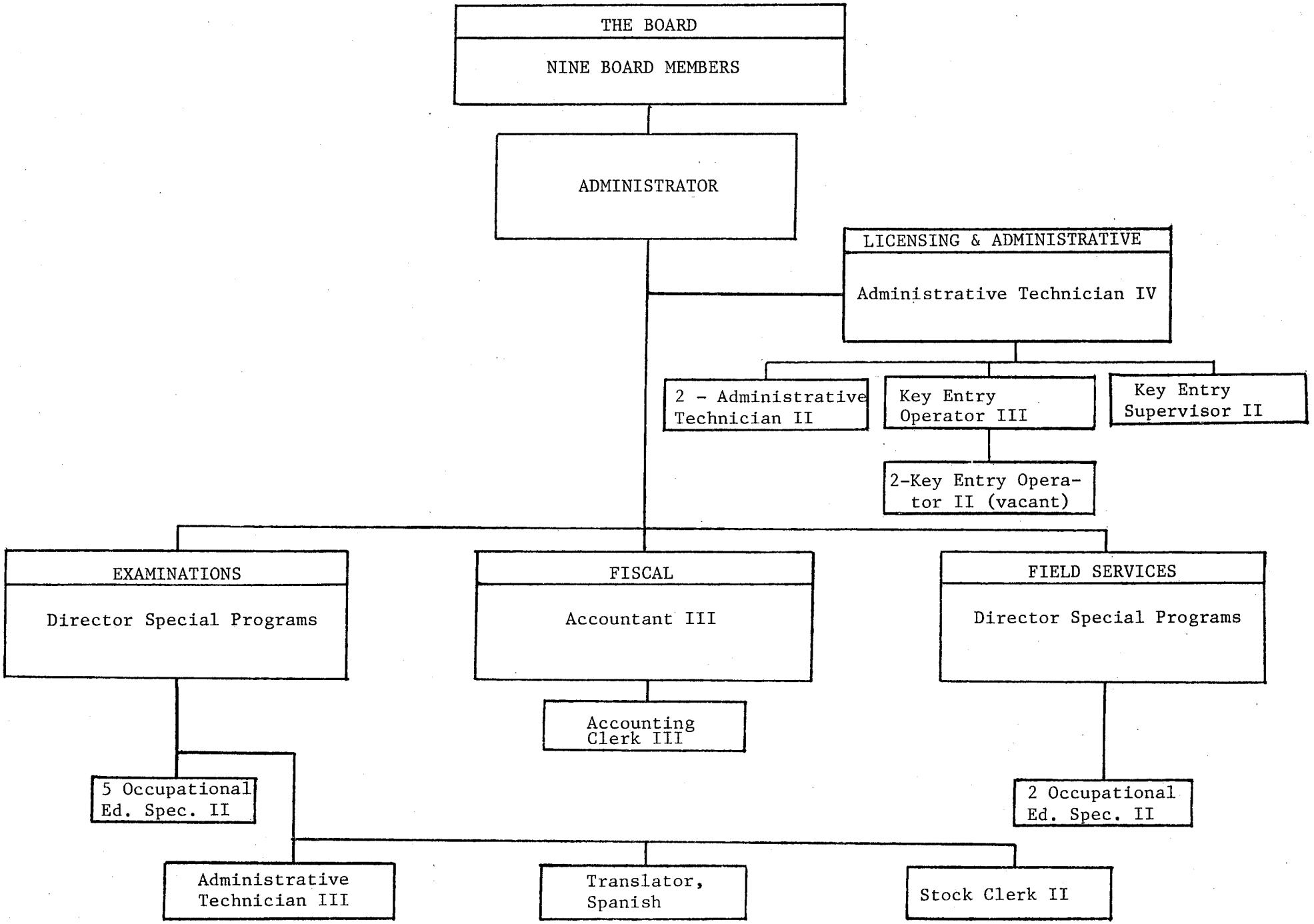
NOTE 9:

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 10: 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.


THE BOARD
NINE BOARD MEMBERS
ADMINISTRATOR
LICENSING & ADMINISTRATIVE
Administrative Technician IV
2 - Administrative Technician II
Key Entry Operator III
Key Entry Supervisor II
2-Key Entry Operator II (vacant)
EXAMINATIONS
Director Special Programs
FISCAL
Accountant III
FIELD SERVICES
Director Special Programs
Accounting Clerk III
5 Occupational Ed. Spec. II
2 Occupational Ed. Spec. II
Administrative Technician III
Translator, Spanish
Stock Clerk II

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.

Colorado	Telephone request from Department of Regulatory Agencies, Examining Board, Denver, for a copy of our Study Guide for our examination.
Virginia	Request from Mr. Robert Gregory, Administrative Office, Professional Services, Richmond, for use of our films on the type of examination we give and cross-connections. He also requested official certification regarding the license of Mr. Emery Seth Wisenbaker.

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

355 cities and towns were visited during FY-1987. As a result of these 355 trips, 2,038 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 374 license compliance checks were made in 355 cities at least one or more times during the year. A total of 1,067 plumbers were found working on jobs and an additional 405 unlicensed persons doing plumbing work. 72.5% of the persons contacted were in compliance with the Licensing Law. 166 of the 405 found to be unlicensed subsequently obtained their license. 86 have been or will be scheduled for examination. 35 failed the examination and will be re-scheduled for examination after the expiration of the prescribed waiting period. Also, a total of 45 registered apprentice plumbers were found working on jobs and a total of 166 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

City	Number Visits	Number Persons Contacted	Number Persons Unlicensed	Percent Unlicensed
Amarillo	2	15	2	13.3
Arlington	2	20	5	25.0
Austin	4	82	23	28.1
Beaumont	2	9	2	22.2
Corpus Christi	2	63	14	22.2
Dallas	4	52	19	36.5
El Paso	4	154	43	27.9
Ft. Worth	4	86	11	12.8
Garland	2	8	2	25.0
Houston	4	74	20	27.0
Irving	2	8	2	25.0
Lubbock	2	31	7	22.6
Pasadena	1	1	0	00.0
San Antonio	4	72	16	22.2
Waco	2	10	0	00.0

COMPLAINTS

Forty-four complaints and requests for assistance were received during the reporting period. All but two were resolved. The remaining two pending complaints are being investigated.

Most of the complaints involved alleged overcharges; failure to have a written contract or a clear understanding of the work to be performed; and inferior workmanship.

MEETINGS, CONFERENCES AND SEMINARS

09-23-86	Waco, conduct seminar on proper drain, waste and vent installation for the City of Waco. 125 people.
09-24-86	Houston, conduct seminar on cross-connection and show cross-connection films for Texas A & M University. 116 people.
10-20-86	Austin, conduct seminar on cross-connection for the Southern Building Code Congress. 150 people.
10-21-86	Corpus Christi, conduct seminar on cross-connection, proper drain, waste and vent installation and show cross-connection films for Del Mar College. 11 people.
10-29-86	Austin, conduct seminar on cross-connection for the Travis County Health Department. 13 people.
11-07-86	Corpus Christi, conduct seminar on cross-connection and show cross-connection films for Texas A & M University. 27 people.
11-12-86	Arlington, conduct seminar on cross-connection and show cross-connection films for Texas A & M University. 12 people.
11-26-86	Austin, conduct seminar on cross-connection for St. Philips College of San Antonio. 29 people.
01-30-87	Austin, conduct seminar on cross-connection for the Apprentice Class of San Antonio. 18 people.
02-04-87	Austin, conduct seminar on cross-connection for the Plumbers' Local Union #286. 26 people.
02-05-87	Austin, conduct seminar on cross-connection for the Plumbers' Local Union #286. 24 people.
02-17-87	Bellaire, conduct seminar on cross-connection for Texas A & M University. 22 people.
03-20-87	Boerne, conduct seminar on good plumbing practices and State Plumbing License Law for the Rotary Club. 50 people.
03-26-87	Corpus Christi, conduct seminar on cross-connection and show cross-connection films for the Texas Rural Water Association. 44 people.

04-06-87	Kingsville, conduct seminar on cross-connection for the City of Kingsville. 37 people.
04-08-87	Corpus Christi, conduct seminar on cross-connection and show cross-connection films for local plumbers. 17 people.
04-14-87	Killeen, conduct seminar on cross-connection and show cross-connection films for Central Texas College. 56 people.
04-30-87	South Padre Island, conduct seminar on proper drain, waste and vent installation and show cross-connection films for the Valley Building Officials Association. 7 people.
05-05-87	Bellaire, conduct seminar on proper drain, waste and vent installation and State Plumbing License Law and show cross-connection films for Texas A & M University. 15 people.
05-11-87	Irving, conduct seminar on proper drain, waste and vent installation and State Plumbing License Law and show cross-connection films for Texas A & M University. 23 people.
05-19-87	San Antonio, conduct seminar on cross-connection for Texas A & M Univeristy. 32 people.
05-19-87	San Antonio, conduct seminar on proper drain, waste and vent installation and State License Law and show cross-connection films for Texas A & M University. 14 people.
05-21-87	Victoria, conduct seminar on good plumbing practices, cross-connection, proper drain, waste and vent installation and show cross-connection films for the City of Victoria. 72 people.
06-02-87	Killeen, conduct seminar on cross-connection and show cross-connection films for the City of Killeen. 7 people.
06-10-87	Hot Springs, Arkansas, conduct seminar on cross-connection for the City of Hot Springs, Arkansas. 167 people.
06-18-87	Houston, attend seminar on code revision and up date enforcement practices for the Association of Plumbing, Heating and Cooling Contractors. 62 people.

06-21-87	South Padre Island, attend seminar on code revision and up date enforcement practices for the Texas State Association of Plumbing Inspectors. 60 people.
07-02-87	San Antonio, conduct seminar on cross-connection and State Plumbing License Law and show cross-connection films for the Rotary Club. 42 people.
07-08-87	Arlington, conduct seminar on cross-connection for Texas A & M University. 13 people.
07-09-87	Grand Prairie, conduct seminar on cross-connection for the general public. 19 people.
07-22-87	Austin, conduct seminar on cross-connection for Texas A & M University. 23 people.
07-30-87	Houston, conduct seminar on cross-connection for Texas A & M University. 12 people.
08-01-87	Bay City, conduct seminar on cross-connection and show cross-connection films for the general public. 99 people.
08-02-87	College Station, conduct seminar on good plumbing practices, cross-connection, proper drain, waste and vent installation, State Plumbing License Law and show cross-connection films for Texas A & M University. 20 people.
08-07-87	Houston, conduct seminar on State Plumbing License Law for the Texas Railroad Commission. 9 people.
08-17-87	Rowlett, conduct seminar on cross-connection and show cross-connection films for the City of Rowlett. 61 people.
08-17-87	Fredericksburg, conduct seminar on State Plumbing License Law and show cross-connection films for the Rotary Club. 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 numerous cities have requested copies.

EXAMINATION ACTIVITY

Examination Report

The Board conducted 2,106 examinations in FY-1987. 693 were Master examinations, 1,295 were Journeyman examinations, and 118 were Inspector's examinations. Of the 2,106 examined, a total of 1,543 or 71.9%, qualified for their licenses.

A breakdown by category shows that 693 Master Plumber candidates were examined and of that number 567, or 81.8%, passed. 1,295 Journeyman Plumber candidates were examined and 862 or 66.6%, passed. 118 Inspector candidates were examined and 114 or 96.6%, 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-1987

	No. Exams	Passed	Failed
September	52	41	11
October	44	42	2
November	49	37	12
December	39	27	12
January	57	46	11
February	70	56	14
March	81	70	11
April	63	48	15
May	69	58	11
June	71	59	12
July	57	45	12
August	41	38	3
Total	693	567	126

TABLE V

Monthly Distribution of
Journeyman Examinations for FY-1987

	No. Exams	Passed	Failed
September	104	68	36
October	129	81	48
November	94	66	28
December	70	44	26
January	106	77	29
February	102	59	43
March	139	83	56
April	114	73	41
May	131	85	46
June	112	83	29
July	84	59	25
August	110	84	26
Total	1,295	862	433

TABLE VI

Monthly Distribution of
Master and Journeyman Examinations
for FY-1987

	No. Exam'd	Passed	Percent	Failed	Percent
September	156	109	69.9	47	30.1
October	173	123	71.1	50	28.9
November	143	103	72.0	40	28.0
December	109	71	65.1	38	34.9
January	163	123	75.5	40	24.5
February	172	115	66.9	57	33.1
March	220	153	69.6	67	30.4
April	177	121	68.4	56	31.6
May	200	143	71.5	57	28.5
June	183	142	77.6	41	22.4
July	141	104	73.8	37	26.2
August	151	122	80.8	29	19.2
Total	1,988	1,429	71.9	559	28.1

TABLE VII

Comparative Analysis of Master Examinations
Given Annually by State Plumbing Board

	Examined	Passed	Percent Passed	Failed	Percent Failed	Total Examined
1947	35	32	91.4	3	8.6	35
1948	338	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 - continued

	Examined	Passed	Percent Passed	Failed	Percent Failed	Total Examined
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

TABLE VIII

Comparative Analysis of Journeyman Examinations
Given Annually by State Plumbing Board

	Examined	Passed	Percent Passed	Failed	Percent Failed	Total Examined
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 - continued

	Examined	Passed	Percent Passed	Failed	Percent Failed	Total Examined
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

TABLE IX

Comparative Summary of Examinations
Given Annually by State Plumbing Board

	Master	Journeyman	Inspector	Total
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

TABLE IX - continued

	Master	Journeyman	Inspector	Total
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	158	3,426
1986	834	1,826	153	2,813
1987	693	1,295	118	2,106

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 St. Philip's College (San Antonio), Texas Department of Health (Water Hygiene Division and FDA Division), San Antonio Area Vocational High School Students, Plumbers Local #286, Austin.

The Director of Special Programs attended the Southern Building Pre-Code Conference (Birmingham, Alabama) and Code Change Conference (Orlando, Florida), Valley Building Officials Association (South Padre Island), Municipal Inspectors Training School (College Station), Inspectors Association Short School and Conference (South Padre Island), Texas A & M University sponsored Cross Connection Backflow Prevention Device Testing Certification School (San Antonio, Arlington, Houston, Austin), State Department of Health (Houston), Arkansas Inspectors Association Annual Training Conference (Hot Springs, Arkansas), National Association of Plumbing, Heating, Cooling Contractors National Conference (Houston), Central Texas College (Killeen), Southern Building Code Chapter (Victoria, Corpus Christi), Water and Wastewater Association (Rowlett), Rice Belt Water Utilities Association (Bay City), Rescue Rooter Service, Inc., (Grand Prairie), San Antonio Rotary Club (San Antonio), City of Killeen Inspection Department (Killeen) and the American Water Works Association (Corpus Christi).

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 273 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 130 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 for use by schools, trade groups, inspection meetings, and other public institutions.

4 different films were used 101 times for various types of meetings. The following tabulation shows the use of the films:

1. Cross-Connections: The Unseen Hazard

Mr. Cecil H. Bilderback, Chief Plumbing Inspector	Amarillo
Mr. Donald Mudd, County Court House	Angleton
Mr. Hoyt A. Haylor, University of Texas	Austin
Ms. Sharon Lammons, Johnson County Rural Water	Cleburne
Ms. Brenda Ryan, Dept. of Construction Science, Texas A & M University	College Station
Ms. Evelyn Russell, Dallas I.S.D. (2)	Dallas
Mr. Roberto Flores, Plumbing Instructor, Edinburg High School	Edinburg
Mr. Johnnie E. Kotlar, Kotlar Plumbing and Heating	Edna
Mr. Ray Brown, J.A.C. Committee	El Paso
Mr. Jim DeCola, Building Official	Gonzales
Mr. Stephen F. Bainter, Trinity River Authority of Texas	Grand Prairie
Mr. Gary W. Gilliland, Water Pollution Control Inspector	Grand Prairie
Mr. Rudy Galvan, City of Kingsville	Kingsville
Mr. Fernando Romero, Building Official	McAllen
Mr. R. Q. Jones, Casey Plumbing	Palacios
Mr. Wilson McBride, Building Official	Portland
Mr. S. J. Knight, Aluminum Company of America	Rockdale
Mr. William A. Salmon, Plumbers and Pipefitters Local Union #142	San Antonio
Mr. Ralph Gonzales, Quail Creek MUD	Victoria
Mr. Joe Rocha, City of Victoria	Victoria
Mr. Jim Engard, Wilkins Regulator Company (2)	Paso Robles, CA
Mr. James W. Lee, Hood Plumbing, Inc.	Riverside, CA
Mr. Edward Snyder, Toro Company	Riverside, CA
Mr. R. W. Cesarz, Navy Public Works Center	San Diego, CA
Mr. Daniel I. Smith, Jr., Academy Plumbing	San Diego, CA
Mr. John V. Pate, Osceola Building and Zoning Dept.	Kissimmee, FL
Mr. David Shipe, Indiana Vocational Technical College	Gary, IN
Mr. Jack Gambold, Division of Water Supply (Indiana Board of Health)	Indianapolis, IN

Mr. Jeff Robinson, Indiana-American Water Company	Muncie, IN
Board of New Jersey Examiners	Newark, NJ
Mr. Robert Vaughn, Municipal Building	Hamilton, OH
Mr. Bill Moore, Water Meter & Controls Group (2)	Newark, OH

Uses by Plumbing Board Field Men and Chief Examiner:

Bellaire Public Works Department	Bellaire
Texas A & M University (Mechanical Seminar)	Bellaire
Municipal Inspectors Training School	College Station
Del Mar College	Corpus Christi

2. Anybody Can Do It?

Mr. Cecil H. Bilderback, Chief Plumbing Inspector	Amarillo
Mr. Hoyt A. Haylor, University of Texas	Austin
Ms. Sharon Lammons, Johnson County Rural Water	Cleburne
Ms. Brenda Ryan, Department of Construction Science (Texas A & M University)	College Station
Ms. Evelyn Russell, Dallas I.S.D. (2)	Dallas
Mr. Roberto Flores, Plumbing Instructor (Edinburg High School)	Edinburg
Mr. Ray Brown, J.A.C. Committtee	El Paso
Mr. Jim DeCola, Building Official	Gonzales
Mr. Stephen F. Bainter, Trinity River Authority of Texas	Grand Prairie
Mr. Gary W. Gilliland, Water Pollution Control Inspector	Grand Prairie
Mr. Rudy Galvan, City of Kingsville	Kingsville
Mr. Fernando Romero, City of McAllen	McAllen
Mr. R. Q. Jones, Casey Plumbing	Palacios
Mr. S. J. Knight, Aluminum Company of America	Rockdale
Mr. Ralph Gonzales, Quail Creek MUD	Victoria
Mr. Joe Rocha, City of Victoria	Victoria
Mr. James Lee, Hood Plumbing, Inc.	Riverside, CA
Mr. Edward Snyder, Toro Company	Riverside, CA
Mr. R. W. Cesarz, Navy Public Works Center	San Diego, CA
Mr. Daniel I. Smith, Jr., Academy Plumbing	San Diego, CA
Mr. John V. Pate, Osceola Building and Zoning Department	Kissimmee, FL
Mr. David Shipe, Indiana Vocational Technical College	Gary, IN
Mr. Jack Gambold, Division of Water Supply (Indiana Board of Health)	Indianapolis, IN
Mr. Jeff Robinson, Indiana-American Water Company	Muncie, IN
Mr. Charles E. Barham, Prier Manufacturing and Engineering	Olathe, KS
Board of New Jersey Examiners	Newark, NJ

Mr. Robert Vaughn, Municipal Building	Hamilton, OH
Mr. Bill Moore, Water Meter and Controls Group	Newark, OH
Mr. Robert Gregory, Administrative Office of Professional Services	Richmond, VA

Uses by Plumbing Board Field Men and Chief Exainer:

Texas A & M University (Back Flow Seminar)	Arlington
Rice Belt Water Utilities Association	Bay City
Bellaire Public Works Department	Bellaire
Rotary Club	Boerne
Municipal Inspectors Training School	College Station
Coastal Bend Association of Municipal Inspectors	Corpus Christi
Del Mar College	Corpus Christi
Texas Rural Water Association 18th Annual Meeting	Corpus Christi
Rotary Club	Fredericksburg
Rescue Rooter	Grand Prairie
Sam Houston Water Utilities Association	Houston
Texas A & M University (Mechanical Seminar)	Irving
Killeen Plumbers and City Officials	Killeen
Water and Waste Water Association	Rowlett
San Antonio Rotary Club Meeting	San Antonio
Valley Building Association	South Padre Island
Members of the Southern Building Code Conference	Victoria

3. <u>All In A Day's Work</u>

Ms. Brenda Ryan, Department of Construction Science	College Station
Ms. Evelyn Russell, Dallas I.S.D.	Dallas
Mr. Roberto Flores, Plumbing Inspector (Edinburg High School)	Edinburg
Mr. Ray Brown, J.A.C. Committee	El Paso
Mr. Rudy Galvan, City of Kingsville	Kingsville
Mr. Wilson McBride, Building Official, City of Portland	Portland
Mr. Carol Schroeder	Detroit, MI
Board of New Jersey Examiners	Newark, NJ
Mr. Robert Gregory, Administrative Office of Professional Services	Richmond, VA

Uses by Plumbing Board Field Men and Chief Examiner:

Municipal Inspector's Training School	College Station
Texas A & M University (Mechanical Seminar)	Irving
Central Texas College	Killeen
Valley Building Association	South Padre Island
Members of the Southern Building Code Conference	Victoria

4. <u>Health and the Cycle of Water</u>

Mr. Earl Carr, City of Diboll	Diboll