

# Board of Fire Commissioners of New South Wales

(now New South Wales Fire Brigades)



## ***ANNUAL REPORT***

January – December 1989

# Board of Fire Commissioners of New South Wales



## 80th Annual Report for the year ended 31st December 1989.

Note: Enabling legislation passed in State Parliament in 1989, dissolved the Board of Fire Commissioners of NSW and created the New South Wales Fire Brigades as a Government Department with effect 1st January 1990.

*This report is the final report of the Board. The first Annual Report of the New South Wales Fire Brigades will be for the period January to June 1990 to facilitate the transition to a financial (30 June – 1 July) rather than calendar (January to December) reporting Year.*

The Hon. Ted Pickering, MLC., Minister for Police & Emergency Services.

Sir,

Pursuant to provisions of Section 19(2) of the Fire Brigades Act, 1909, I have pleasure in submitting to you for presentation to Parliament, the 80th report of the Board of Fire Commissioners of NSW; an entity now dissolved by the Fire Brigades Act 1989.

This report summarises the organisation's activities during the 12 months to 31st December 1989.

The report has been prepared in accordance with the provisions of the Annual Reports (Statutory Bodies) Act, 1984, and with the Public Finance & Audit Act, 1983.

30th April 1990

P.B. Rath  
Director General



# Board of Fire Commissioners of New South Wales



## 80th Annual Report for the year ended 31st December 1983

The Board of Fire Commissioners of New South Wales is pleased to present its 80th Annual Report for the year ended 31st December 1983. The Report details the activities of the Board and the Fire Brigades Commission during the year.

The Board of Fire Commissioners is responsible for the overall management of the Fire Brigades Commission. The Board consists of the Commissioner of Fire Services, the Deputy Commissioner, and a number of members representing the various fire brigades in New South Wales.

The Fire Brigades Commission is the body responsible for the day-to-day management of the fire brigades. The Commission consists of the Commissioner of Fire Services, the Deputy Commissioner, and a number of members representing the various fire brigades in New South Wales.

The Fire Brigades Commission has a number of functions, including the management of the fire brigades, the provision of fire services, and the promotion of fire safety. The Commission also has a number of committees, including the Fire Brigades Commission Committee, the Fire Brigades Commission Advisory Committee, and the Fire Brigades Commission Research Committee.

The Fire Brigades Commission has a number of achievements during the year, including the successful completion of a number of major projects, the provision of a high standard of fire services, and the promotion of fire safety.

The Fire Brigades Commission is committed to providing a high standard of fire services to the people of New South Wales. The Commission will continue to work hard to improve its services and to promote fire safety in the future.

# Contents

	Page Nos.
1. INTRODUCTION	4
2. PERFORMANCE	12
Operations	14
Administration and Logistics	28
Performance Indicators	35
Human Resources	38
3. ACCOUNTS	
Finance	45
Accounts	51-64
4. STATISTICS:	65
Table 1: Fire District Estimates of Expenditure 1989	66
Table 2: Contribution by Shire and Municipal Councils	68
Table 3: Insurance Companies/Owners	70
Table 4: Type of Incident by Month of Occurrence – 1989	72
Table 5: Type of Incident by District, Zone & Specialist Response – 1989	73
Table 5a: Type of Action taken by District, Zone & Specialist Response – 1989	74
Table 6: Fires by Time of Day – 1989	75
Table 7: Type of Fixed Property Use 1987 – 1989 (Structure Fires Only)	76
Table 8: Fixed Property use by Ignition Factor (Cause) 1989	77
Table 9: Type of Fire by Local Government Area – 1989	80
Table 10: Dollar Damage due to Fires by Local Government Area 1989	84
Table 11: NSW Government Programme Evaluation	88
Table 12: Fixed Property use by number of fatalities for structure fires 1987-1989	91
Table 13: Fixed Property use by number of injuries 1987-1989	92
Table 14: Comparison of Incidents 1987-1989	94
Table 15: Brigades Reported Reponse, Strength Summary	95
Table 16: Brigades Reported Reponse, Strength	96
Table 17: List of Telephone Numbers and Postal Addresses – Country Zone Inspectors	106
MAP	108

# PART 1 - INTRODUCTION

## Charter

During the period under review the Board of Fire Commissioners of NSW operated under the provisions of the Fire Brigades Act, 1909, which placed all Fire Brigades in NSW at that time under one authority. The Bush Fires Act 1949 formalised the establishment of Bush Fire Brigades under the control of Local Government Authorities.

The areas to which the Act applied are prescribed "Fire Districts". The boundaries of the "Fire Districts" are established by agreement between the Board and local government authorities, with the Minister's approval.

Fire Districts have been set up in most settled areas where the population is greater than 1,000; where there are formed roads; and a reticulated water supply. There were no new Fire Districts established during 1989.

During the period under review, the Board was responsible for providing fire coverage for 86% of the State's population. There are 186 Fire Districts proclaimed under the Act. The Board was empowered to permit its Fire Brigades to operate beyond the limits of the Fire Districts.

## Aims and Objectives

Under the Act the Board had a duty to:

- take all practicable measures for preventing and extinguishing fires and for protecting and saving life and property in case of fire;

and authority to:

- carry out rescues even where there is no immediate danger from fire; and,
- engage in preventative burning operations for the reduction of bush fire hazards.

## Performance Indicators

Program performance evaluations were conducted by the Planning and Management Review

Unit which is comprised of operational and other professional staff. This Unit has the ongoing responsibility for reviewing the location and weight of attack of fire stations throughout NSW. Further objectives of this Unit are to examine the balance of service and resources between fire-fighting and fire prevention and to measure the efficiency and effectiveness of performance of the organisation in attaining set corporate objectives.

## Service Provided

### Firefighting

Over 6,000 permanent and volunteer firefighters were employed by the Board during the period. They were trained and equipped to provide rapid response to calls of fire and other emergencies.

### Fire Prevention

The Board maintained a Fire Prevention Department to carry out building inspections and to provide advice on structural fire safety.

Through the staff and activities of the Public Education Section based at the Alexandria Training College, and the Public Relations Section based at Head Office, the Board discharged its function of providing the public with education in fire safety.

During the latter part of 1989, local fire stations were organised to provide fire safety lectures in a move designed to augment the work of the Public Education Section, to make better use of the existing skilled workforce and to provide local fire stations with a closer contact with their local community. Although an assessment of this move at this stage could be premature, early feedback has been very encouraging.

### Bush Fire Hazard Reduction

In order to provide fire protection to lives and property bordering bushland areas, firefighters

carried out hazard reduction operations in an environmentally responsible manner with the cooperation of local council officers.

**Rescue**

Firefighters are trained and equipped to rescue persons trapped in fires and other situations such as road, domestic and industrial incidents. During the year the Government conducted a review of State rescue services which principally was concerned with rationalising rescue units from Police, Ambulance, Fire Brigades, State Emergency Services and other volunteer organisations under the control of the Police. The outcome of this review was announced on the 21st February 1990.



*A firefighter awaits the order to move into a smoke-filled building.*



*Firefighters in hazardous materials (HAZMAT) protective suits remove dangerous chemicals from a shipping container.*



# ***Members of the Board of Fire Commissioners of New South Wales***

The Board of Fire Commissioners of NSW is comprised of six members; the President, (who was also the Chief Executive Officer) and is appointed by the Governor.

Five part time members are elected, two by the contributing Insurance Companies, one by the Councils of the Municipalities and Shires which contribute to the Board's funds, one by Volunteer

Firefighters and one by members of the Permanent Fire Brigades.

## ***Full-Time Members***

Peter Brummell Rath, B.A.,

President & Executive Officer

*(Appointed by the Governor 30th March 1987)*

## ***Part-Time Members***

*(Elected by the contributing Insurance Companies)*

John Kenneth Westmore

Raymond Bruce Willing, B.A. (Maths), B.A. (Econ), A.S.I.A. *(resigned as of 13th June, 1989)*

Ross Kenneth Hensman was appointed on the 14th June, 1989.

*(Elected from the Councils of the Municipalities & Shires to which the Fire Brigades Act applies.)*

Barry Leslie Lewis, B. Ec.,

*(Elected by the members of the Volunteer Fire Brigades)*

Alexander Campbell McMurtrie, A.O.,

*(Elected by the members of the Permanent Fire Brigades)*

Desmond William Cooper

# Schedule of Board Attendance

Meetings: The Board met on 11 occasions in 1989.

	Present	Absent
Peter Brummell Rath	11	
Barry Leslie Lewis	10	1 (Leave of Absence)
Alexander Campbell McMurtrie	11	
John Kenneth Westmore	8	3 (Leave of Absence)
Desmond William Cooper	11	
Raymond Bruce Willing	2	2 (Leave of Absence – Resigned as of 13-6-89 )
Ross Kenneth Hensman	6	Appointed 14-6-89

## Committees

### Corporate Executive Group

President & Executive Officer	P.B. Rath, B.A.
Chief Officer	B. Reay, AFSM
Secretary	J.R. Galbraith, B.E.
Deputy Secretary	A.C. McGrath
Deputy Chief Officer	W. Rogers, AFSM ( <i>Retired 22.10.1989</i> )
	R. Roberts, AFSM
Financial Controller	L. Favelle, B. Comm, AASA

## Standing Committees

Accident Enquiry Committee  
 Amenities Committee  
 Examinations Committee  
 Employee Assistance Committee  
 Major Equipment Advisory Group  
 National Honours Committee  
 Suggestion Awards Committee  
 Meritorious Conduct Awards Panel  
 Fire In Residential Occupancies Task Force  
 Task Force on Structural Efficiency Principles

# **Profiles**

## **Board Members**

### **Peter Brummell Rath**

Was appointed by the Governor as President and Chief Executive of the Board of Fire Commissioners of New South Wales from 30th March 1987. Mr. Rath holds a Bachelor of Arts degree and prior to his appointment was Deputy Secretary, Premier's Department of New South Wales.

### **John Kenneth Westmore**

Has been the Assistant Chief Executive of the Insurance Council of Australia since 1982, and represents General Insurers on a number of Government Committees and Boards. He was a Director of the Australian Wool Testing Authority, Managing Director Wool Testing Services, Executive Director of the ACWB and Chairman Export Freight Rates Negotiating Committees.

### **Raymond Bruce Willing**

Was appointed to the Board in July 1985. He is General Manager of the N.R.M.A. Insurance group of companies and a Director of some companies within the N.R.M.A. group. He is a Director of the Insurance Council of Australia Limited and Deputy President of the Australian Insurance Association. He holds Bachelor of Arts degrees in Mathematics and Statistics from the University of New South Wales and Economics from the Macquarie University. Mr. Willing resigned as of the 13th June 1989.

### **Ross Kenneth Hensman**

Was appointed to the Board in May, 1989. He is Assistant General Manager of the Sun Alliance Australia Group and has been employed in the insurance industry for 28 years. He is a member of the Australian Society of Accountants. Mr. Hensman was appointed to the Board on the 14th June 1989.

### **Barry Leslie Lewis**

Is a consultant and was elected in 1980 and 1985 to the Board as the Local Government Representative. Also elected in September 1987 as an Alderman on the Kuringai Municipal council. Holds a Bachelor of Economics Degree from Sydney University.

### **Alexander Campbell McMurtrie**

A. McMurtrie is a Commissioner, having been elected by the Volunteer Firefighters of the NSW Fire Brigades, continuously since 1970. He is the longest serving volunteer firefighter, elected to the Board since 1884 (105 years). He was appointed to the Brigade in January 1951 and is the former Captain of the Wangi Wangi Fire Brigade. Mr McMurtrie was granted Honorary membership of the NSW Fire Brigades upon his retirement due to physical incapacity in April, 1987. He was awarded the Order of Australia in January 1989 for his services to the NSW Fire Brigades.

## **Desmond William Cooper**

Was elected as the Permanent Members' representative to the Board, effective from July 1985, for a term of five years. He currently holds the rank of Inspector in the NSW Fire Brigades.

## ***Senior Executives***

### **Chief Officer B. Reay**

Joined the Fire Service on 27th January 1956. After various positions and appointments, he was appointed Chief Officer on 21st May 1986. He was responsible to the Board for the operations, technical direction and administration of the Fire Service in NSW. He is a Fellow of the Institute of Fire Engineers, a Churchill Fellow, and was awarded the Queen's Long Service and Good Conduct Medal and the Australian Fire Service Medal.

### **Deputy Chief Officer (Executive) W.B. Rogers**

Joined the Fire Service on 1st February 1952. He was appointed Deputy Chief Officer (Executive) on 27th July 1987 being responsible for the operational arm of the Fire Service. Served as Superintendent/Manager, Supply & Maintenance Division at Chullora from 1984 to 1986 prior to being appointed DCO(S). Awarded the Australian Fire Service Medal, Queen's Long Service Medal and the National Medal. Mr Rogers retired on the 22nd October 1989.

### **Deputy Chief Officer (Services) R.W. Roberts**

Commenced service with the NSW Fire Brigades 9th April 1954. He was promoted to the rank of Superintendent on 25th February 1984 and appointed Deputy Chief Officer (Services) on 27th July 1987. Awarded the Queen's Long Service and Good Conduct Medal and the Australian Fire Service Medal.

### **Mr. J. Galbraith**

Graduated in Engineering (Mechanical and Electrical) from Sydney University in 1953. He has held both engineering and management positions in the aerospace industry. Prior to joining the Board as Secretary in 1982, he was Assistant State Manager of the Health Insurance Commission, a Federal Statutory Authority, all his earlier experience having been with private enterprise.

### **Mr. L. Favelle**

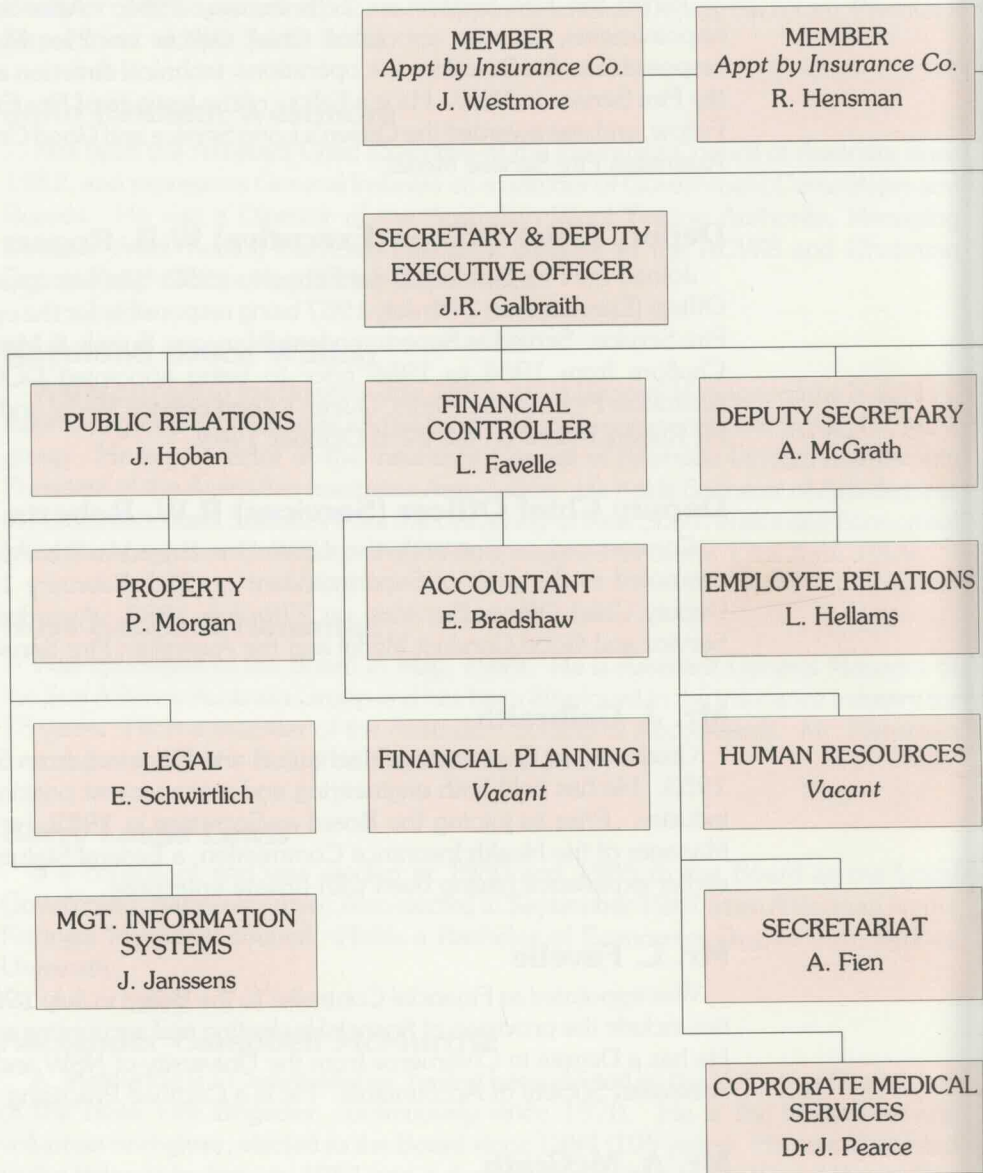
Was appointed as Financial Controller to the Board in July 1987. His responsibilities include the provision of financial budgeting and accounting services to the Board. He has a Degree in Commerce from the University of NSW and is a member of the Australian Society of Accountants. He is a Certified Practising Accountant.

### **Mr. A. McGrath**

Became Industrial Officer of the Board on the 28th August 1974 and Assistant Secretary (now titled Deputy Secretary) on the 8th March 1978. His responsibilities involve Employee Relations, Human Resources, Secretariat and Corporate Medical Services. He holds a Management Certificate.

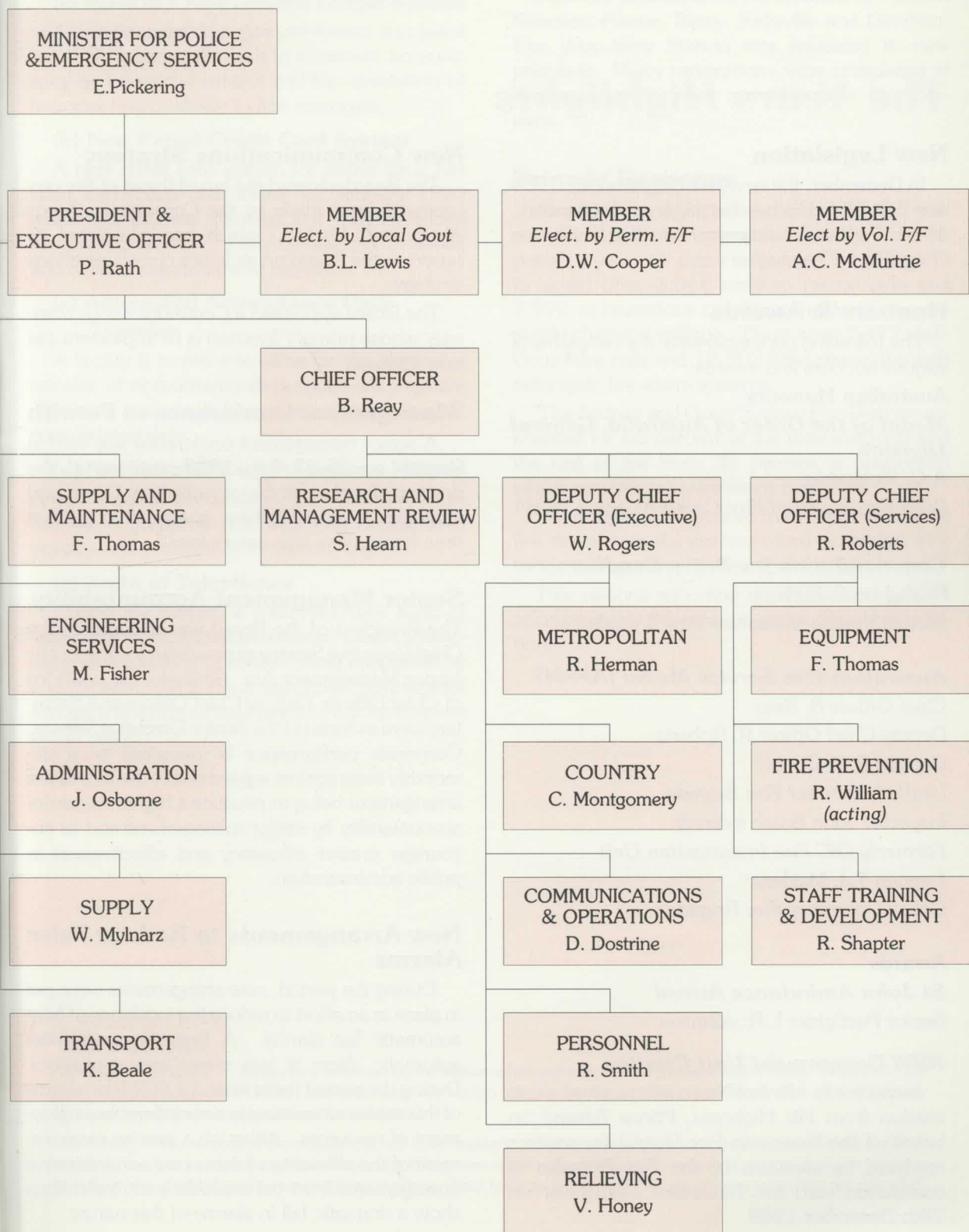


# Board of Fire Com



Note: 1. This chart does not show levels of seniority but lines of authority.  
2. Correct as at 31st December 1989

# Commissioners of NSW



# PART 2 - PERFORMANCE

## The Years Highlights

### New Legislation

In December, the new Fire Brigades Act, 1989 was proclaimed to be effective from 1st January, 1990. Further details are contained in the Section "Legislative Changes".

### Honours & Awards

The following personnel were the recipients of various honours and awards:

#### Australian Honours

##### **Medal of the Order of Australia, General Division**

A.C. McMurtrie

*(Member, Board of Fire Commissioners NSW)*

##### **Commendation for Brave Conduct**

Firefighter C. Solberg

*Murwillumbah Volunteer Fire Brigade*

##### **Australian Fire Service Medal (AFSM)**

Chief Officer B. Reay

Deputy Chief Officer R. Roberts

Captain R.C. Cooper

*Uralla Volunteer Fire Brigade*

Inspector John Boath (retired)

*Formerly OIC Fire Investigation Unit*

Captain T.J. Maidens

*Cobar Volunteer Fire Brigade*

### Awards

#### **St John Ambulance Award**

Senior Firefighter L.R. Johnson

#### **NSW Government Unit Citation**

Inspector A. Hunt of Newcastle received a unit citation from His Highness, Prince Edward on behalf of the Newcastle Fire District for services rendered by elements of the Fire Brigades in connection with the Newcastle earthquake on 28th December 1989.

### New Communications Strategy

The Board adopted the broad thrust of the recommendations made by the Consultants, Amos Aked Swift Pty.Ltd., which has completed its report to the Board on its future communications strategy.

The Board appointed a Communications Manager whose primary function is to implement the new strategy.

### Management Conference at Penrith

A senior management conference was held at Penrith on 25-27 July 1989 resulting in the drafting of a plan for the organisation. Goals, and strategies to achieve these goals within a given time frame were also determined.

### Senior Management Accountability

The President of the Board was included in the Chief Executive Service as prescribed by the Public Sector Management Act. Similarly, the positions of Chief Officer, Deputy Chief Officer and Secretary were included in the Senior Executive Service. Corporate performance is measured on a six-monthly basis against agreed goals, the aim of the arrangement being to produce a higher degree of accountability by senior management and to encourage greater efficiency and effectiveness in public administration.

### New Arrangements to Reduce False Alarms

During the period, new arrangements were put in place in an effort to reduce the incidence of false automatic fire alarms. A first response to an automatic alarm is two crews and appliances. During the period there were 12,902 false alarms of this nature amounting to a considerable employment of resources. Although a precise measurement of the efficiency of these new administrative arrangements is not yet available, early indications show a dramatic fall in alarms of this nature.

## **Financial Management Initiatives**

### **(a) Move to a New General Ledger System**

A new financial management system is in place for 1990 which will result in improved accountancy and financial control and the devolution of financial responsibility to line managers.

### **(b) New Petrol Credit Card System**

A new credit card system for petrol issue has been introduced with effect 1st January 1990 which will provide management with an added monitoring facility of fuel/mileage performance and costs of minor vehicle repairs.

### **(c) Automated Accountancy Data Transfer**

A facility is in place to allow for the electronic transfer of accountancy data which will improve efficiency and result in a more rapid output of consolidated data.

### **(d) New Accountancy Procedures Manual**

A new detailed accountancy procedures manual has been prepared that sets out standardised policies and procedures for accounting.

### **(e) Audit of Telephones**

During the period, a comprehensive audit of telephone holdings, requirements, usage, invoicing and accounting procedures was conducted by a consultant. As a result significant cost savings ensued and an improved system of accounting was put in place.

## **Major Capital Works**

New fire stations were constructed at Paxton, Kearsley, Kiama, Berry, Kellyville and Denman. The Woy Woy Station was relocated to new premises. Major renovations were completed at Wollongong, Pyrmont and Matraville Fire Stations.

## **Brigade Response**

Fire Stations reported a total of 72,310 primary\* incidents, an increase of 5 percent on the previous year. Of these responses, 24,993 were to actual fires, 3,068 were to rescue calls and 7,992 to hazardous condition incidents, for example chemical spillage. There were 7,477 malicious false calls and 12,902 false alarms through automatic fire alarm systems.

The Sydney and Outer Sydney Fire Districts accounted for 65 percent of the total incidents and the rest of the State 35 percent, a proportion which remains fairly constant over time.

These figures are derived from reports made by fire stations on the computerised Australian Fire Incident Reporting System (A.F.I.R.S.).

Fire stations reporting on this system protect approximately 86 percent of the State's population.

### **\* DEFINITIONS**

**PRIMARY RESPONSE** – Refers to a response by the station which submits the fire incident report form. More than one station usually attends an incident. However, only one station submits the fire incident report form. The total of primary responses equals to the total number of incidents.

**RESPONSE** – The turnout of every station or unit to an incident. Whereas primary response refers only to when a station attends an incident and is responsible for reporting it, response refers whenever a station responds or turns out to an incident. As at least two stations usually respond to an incident, about twice as many responses as primary responses are recorded.



# Metropolitan Operations

The firefighting and other emergency response activities of the Brigades in the Sydney Fire Districts are controlled and directed by the Metropolitan Superintendent.

This encompasses 75 stations, over 2,000 firefighters and a fleet of 200 firefighting vehicles, having turned out to 42,343 calls in 1989 compared with 40,591 in 1988.

The estimate of the Brigades' expenditure directed towards the protection of life and property and extinction of fire in the Sydney Fire District was over \$100,000,000 in 1989.

The Brigades continue to recognize that fire prevention is far more cost effective than fire suppression and fully support the installation of automatic fire alarm and sprinkler systems. Further, it is recognized that the installation of smoke detectors, particularly in residential occupancies, will result in substantial savings to life and property. In 1989, the Brigades responded to 16,039 automatic fire alarms in the Sydney and Outer Sydney Fire Districts.

## Major/Unusual Fires & Chemical Incidents\* - Sydney Fire District 1989

January 12	Restaurant, Dolls Point
January 12	Factory Alight, Warwick Farm
January 15	Chemical Spill, Hillsdale
January 19	Chemical Spill, Concord
January 21	Factory Fire, Alexandria
January 24	Home-Unit, Bondi
January 31	Helicopter Crash, Baulkham Hills
February 1	Chemical Spill, Botany
February 14	Chemical Spill, Blacktown
February 15	Building Fire, Fairfield
February 19	Hotel Alight, Warwick Farm
February 21	House Alight, Wetherill Park

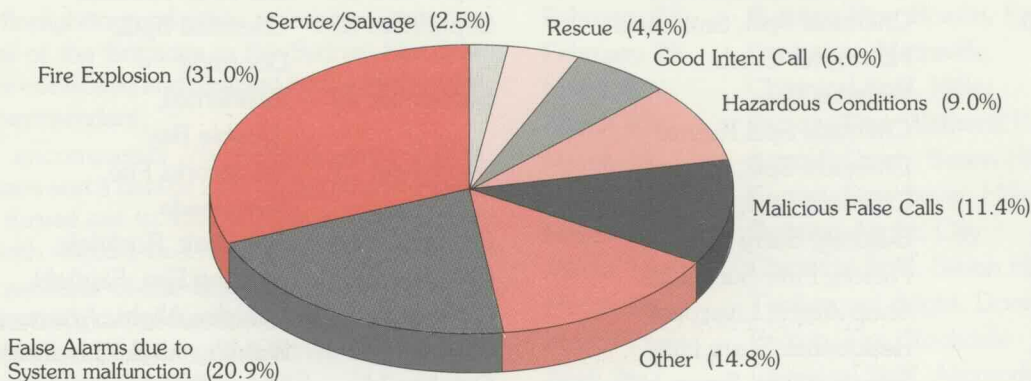
February 22	Building Fire, Bossley Park
February 28	Explosion, Matraville
March 3	Chemical Spill, Miller
March 4	Factory Fire, Wetherill Park
March 11	Aircraft Crash, Seven Hills
March 11	Factory Fire, Seven Hills
March 13	Building Alight, City
March 16	Chemical Spill, Seven Hills
March 18	Timberyard Alight, Doonside
March 26	Factory Fire, Rockdale
April 2	Chemical Spill, Alexandria
April 7	Chemical Spill, Enfield
April 8	Jet Fuel Spillage, Mascot
April 15	Chemical Spill, Quakers Hill
April 19	Explosion, Concord
April 20	Yacht Club, Point Piper
April 21	Hotel, Darlinghurst
April 21	Chemical Spill, Mascot
April 22	Multiple Vehicle Fire, Ryde
April 27	Chemical Spill, F3 Cowan
April 28	Chemical Spill, Waterloo
April 29	Chemical Spill, Prospect
May 3	Office Warehouse, City
May 4	Cafe, Manly
May 4	Chemical Spill, Chipping Norton
May 9	House Fire, Marrickville
May 10	Chemical Spill, Smithfield
May 19	Chemical Spill, Quakers Hill
May 23	Building Fire, Concord
May 24	Chemical Spill, Smithfield
May 27	Chemical Spill, Caringbah
May 29	Chemical Spill in Aircraft, Mascot
June 5	Car Fire, Leichhardt
June 6	School, Cronulla
June 14	Building Fire, Fairfield

\* This class of incident is defined as that which requires a response of 6 fire appliances or more (in relation to structure fires) and/or an incident where unusual materials or circumstances are involved, for example, a chemical spill on a busy road.

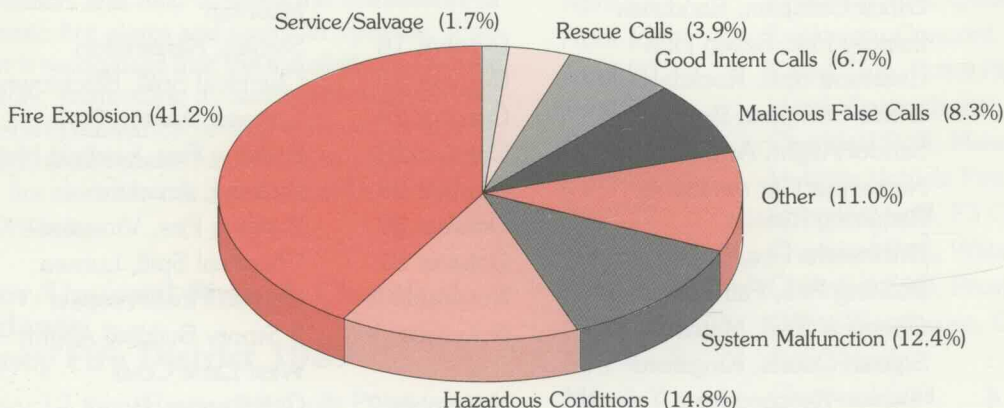
June 15	Factory Fire, Kensington	September 18	Fire on Road
June 17	Chemical Spill, Botany	September 22	Building Fire, Parramatta
June 21	RSL Club, Rockdale	September 23	Car Fire, Vacluse
June 22	Chemical Spill, Botany	September 23	Chemical Spill, Doonside
June 30	Chemical Spill, Smithfield	September 27	Residential, Double Bay
July 3	Helicopter Crash, Watsons Bay	September 29	Brickworks Fire, Merrylands
July 5	Chemical Spill Kurnell	September 30	Gas Leak, Rockdale
July 9	Chemical Spill, Mascot	October 7	Building Fire, Fairfield
July 10	Chemical Spill, Lane Cove	October 9	Vehicles Alight, Artarmon
July 10	Building, Surry Hills	October 14	Building Alight, Lindfield
July 10	Factory Fire, Surry Hills	October 14	Major Bushfire, Engadine
July 11	Shop Alight, Liverpool	October 15	Factory Fire, Kensington
July 15	Residential, Surry Hills	October 15	4 Shops Severely Burnt, Mosman
July 15	School Alight, Seven Hills	October 16	Stables, Kensington
July 18	Chemical Spill, Cowan	October 18	Chemical Spill, Blacktown
July 19	Cottage Alight, Lindfield	October 22	Cottage, Ashton Park
August 3	Office Complex, Randwick	October 23	Building Fire, Fairfield Heights
August 4	Factory Fire, Seven Hills	October 28	Building, Arncliffe
August 8	Chemical Spill, Rockdale	October 29	Building Fire, Vineyard
August 12	Office Complex, Botany	October 31	Chemical Spill, Lurnea
August 16	School Alight, Artarmon	November 4	Church Fire, Prospect
August 19	Numerous Car Accidents Requiring Rescue	November 7	3 Storey Building Alight, West Lane Cove
August 20	Brickworks Fire, Bossley Park	November 7	Cliff Rescue, Bondi
August 20	Building Fire, Fairfield	November 17	Chemical Spill, Dural
August 25	Chemical Spill, Matraville	November 23	Major Rescue
August 31	Squash Courts, Kingsford	November 24	Building Fire, Fairfield
September 4	Person Rescued from Trench	November 26	Sub-Station, Rosebery
September 8	Factory Fire, Seven Hills	December 1	Factory Fire, Seven Hills
September 13	Shop Alight, Parramatta	December 7	Chemical Spill, Moorebank
September 13	Chemical Spill, Lane Cove	December 8	Chemical Spill, Port Botany
September 13	Chemical Spill, Rockdale	December 8	Factory Fire, Blacktown
September 16	Backpackers Hostel, Kings Cross	December 15	Chemical Spill, Rockdale
September 17	Home-Units, Bondi	December 15	Chemical Spill, Silverwater

# Type of Incident 1989

## Sydney and Outer Sydney Fire Districts



## Rest of State



## Country Operations

The firefighting and other emergency response activities of the Brigades in country areas of New South Wales and the outer Sydney fire district are controlled by the Country Superintendent.

This responsibility entails the control and direction of significant resources including nearly 4,000 firefighters and 248 fire stations having turned out to 29,967 primary incidents in 1989. This compares with 28,073 in 1988.

### Zone Demonstrations

Zone demonstrations are organized by the Volunteer Demonstration Association whose primary aim is to improve individual and team fire-

fighting skills amongst volunteer firefighters. Although supported by the Board, much of the activities are self funded and moves to obtain sponsorship have been made.

Intra-zone demonstrations were held at Woy Woy, Narrabri, Tumut, Wellington, Muswellbrook and Balgownie. Each demonstration consists of approximately 20 to 25 teams, with half the teams by invitation from outer zones. Each team is comprised of six members with an approximate overall attendance of some 120 to 150 volunteer firefighters who in a competitive environment are involved in ladder, hose line handling, pump operation, and other simulated firefighting activities.

## Major/Unusual Fires & Chemical Incidents

### – Country NSW

January 6	Collapsed bridge over Macquarie River, Wellington	August 22	Aircraft crash off Warnervale Airstrip, Wyong
January 23	Fire at Mitchell's Saw Mill, north of Dalmeny	August 23	Spillage – 800 litres tilcom and tolazamide, Gilgandra
February 2	Dust Explosion, Leeton	August 24	Fire in underground car park of Gateway Shopping Centre, Gosford
February 4	Spillage – 200 litres sodium hypochlorite, Dubbo	August 25	Fire in shopping centre, Kincumber
February 8	Semi-trailer fire, Port Macquarie	September 5	Petrol tanker spillage, Allomera Mountain
February 15	Spillage – 5,000 litres diesel, Coleambally	September 10	Fire in above ground electrical sub-station, North Albury
February 17	Dust explosion, Deniliquin	September 12	Suspicious fire – one deceased, Walsh's Hotel, Queanbeyan
February 24	Crushing plant fire, Emu Plains	September 17	Fire in retail tyre premises, Pitt Stop Tyres, Wyong
March 1	Military hospital fire, Ingleburn	September 29	Motor vehicle collision with motor cycle – two deceased, Wagga Wagga
April 7	Spillage – 1,000 litres fuel, Cowra	October 1	Timber and joinery fire, Muswellbrook
April 30	Building collapse, Coledale	October 5	Bushfire, Evans Head
May 1	Caravan alight, Emu Plains	October 11	Indoor Cricket Centre fire, Muswellbrook
May 8	Spillage – aviation fuel, Queanbeyan	October 11	Shoalhaven High School, Nowra
May 10	Spillage – 38 tonnes polyvinyl chloride powder, Dubbo	October 17	LPG tanker overturned, Barrengarry Mountain
May 12	Plane crash, Doyalson	October 19	Spillage – herbicide, Hay
May 15	Overturned petrol tanker, Gundagai	October 20	Accident – passenger coach and prime mover – 22 deceased, Cowper
May 15	Handicapped hostel fire, West Hoxton	October 23	Spray painting premises fire, North Lismore
June 9	Motor vehicle accident – four dead, Dubbo	October 31	Bush fire, Evans Head
June 12	Horton Shopping Centre fire, Port Macquarie	November 22	Spillage – 200 litres diacetone alcohol, Gilgandra
June 13	Spillage – 250 litres fuel, Warren	December 9-11	Major bush fire, Carrothool Shire
June 14	Fatal accident motor vehicle and train, Dubbo	December 22	Accident – two passenger coaches – 36 deceased, Kempsey
June 23	Tanker overturned, North of Albury	December 28	Earthquake – 12 deceased, 160 injured, Newcastle
July 2	Fire at Goulburn Fire Station, Goulburn		
July 4	Fire involving six buses, Hamilton		
July 8	House fire, 15kms from Dubbo		
July 8	Spillage – isocyanate, Wangi Wangi		
July 19	Spillage, Bomen Caltex Fuel Depot, Wagga Wagga		
July 23	Fire in tyre warehouse, Woy Woy		
August 7	Fire in storage warehouse, Erina		

## Installation of Major Equipment

The Board moved to continue a steady upgrading of major equipment throughout major country stations.

The issue of rescue equipment was suspended



pending the determination of accredited rescue units arising from the recommendations of the State Rescue and Emergency Services Board.

Breathing apparatus sets were installed at six stations.

Compressed air and refilling stations were set up at Tamworth and Griffith, and contamination showers were installed at Tamworth, Narrabri, Broken Hill and Finley.

17 stations received replacement or new vehicle appliances including 11 composite appliances which feature a pumper and tanker capacity.

## ***Fire Districts***

During 1989 12 amendments were made to existing Fire Districts. All were extensions of fire boundaries to include new residential and industrial developments. The Fire Districts affected were: Blayney, Casino, Coffs Harbour, Illawarra, Kempsey, Mudgee, Muswellbrook, South West Rocks, Warren and Woolgoolga. The Sydney Fire District boundary was affected at Hornsby and Fairfield.

## ***Communications***

During 1989, the Board received a consultant's report into the Brigade's existing and future communications needs. This report was formally adopted.

Whilst the benefits to the Brigade will not be immediately obvious, it is clear that the Board's initiative in this area will shortly commence to make itself felt by way of improved ability to communicate both on and off the fireground.

Arising out of this report, investigations are currently underway in the areas of remote paging for firefighters, portable and mobile communications, radio telephone reliability and coverage - all with a view to the development of a modern, totally integrated system.

Another major initiative has commenced with preliminary investigation into the future role of automatic fire alarm systems, with advice being sought both inter-state and internationally, in order

that a more effective system may be developed. With Government approval, a system of charging a fee for the Brigade attendance at avoidable false alarms on automatic equipment, above a determined level was put into place. The charges will come into effect in early 1990.

Telecom Australia is currently investigating the feasibility of monitoring emergency calls through the "000" network. Such a system will provide a capacity to "trace" the origin of the call. It is anticipated that such a system would greatly reduce the numbers of nuisance and malicious calls, together with a reduction in cost to the community.

## ***Bushfire Section***

There were almost 9000 bush and grass fires attended and extinguished by Brigades across the State. Many of these incidents were conducted in co-operation with local Bush Fire Brigades.

Procedural amendments to joint fireground operations with units of the Bush Fire Brigades resulted in improved effort and a more effective control of fires in and adjoining the Board's fire districts. The concept of co-operative effort is receiving greater acceptance by members of both organisations which can only be to mutual benefit.

The Bush Fire Section has extended its effort in the important area of hazard reduction. By this environmentally conscious method, fuel loads in selected areas which prove a potential threat to life and property are reduced to a manageable level by controlled burning of undergrowth. These operations are organised in close conjunction with local government authorities.

The weather conditions in the past year were more conducive to controlled burning efforts, allowing a total area of 3,145 hectares to be hazard reduced, well up on last seasons efforts which were considerably restricted by heavy winter rains.

The Section continues to conduct training in off-road vehicle handling, water tanker operations, as well as chain saw operation and safety.

An annual Seminar conducted by the Section was well received by all attending officers as well as the representatives of the National Parks and Wildlife Service, Forestry Commission, Bush Fire Council and A.C.T. Brigade. This seminar is

designed to provide training and discussion for senior personnel with a responsibility for senior emergency appointments at major bush fires.

Additionally, training and education was provided at Camp McKay Bush Fire School for junior officers and firefighters in strategy and techniques for bush firefighting.

Mapping Section

The Brigade's Mapping Section continues to provide current and accurate maps of Brigade areas. This Section contributes to the Brigade's efforts in locating resources at emergencies as rapidly as possible.

Fire Prevention Department

The Department maintained a rapid output of fire safety advice to client authorities and the building and construction industry.

Fire Prevention officers represented the Board at public inquiries into the environmental impact of major developments.

A major project for the year was the successful negotiation for fire protection for the Sydney Harbour Tunnel with a greater part of the technical information being formulated within Australia and supported by overseas information.

High Rise Buildings

The advice of the Department is sought by Council on fire and life safety requirements for high rise buildings under Ordinance 70 of the Local Government Act. These requests have increased during 1989. The requests to the Department are processed under the provisions of Ordinance 70.

Theatres and Public Halls

The Department has provided consultation with Local Government authorities in relation to the safety of theatres and public halls.

Hospitals and Nursing Homes

Biennial fire safety inspections were maintained in health care buildings with additional inspections following fires in such buildings to ensure that safety systems are operating in accordance with current criteria. This has resulted in certain building safety systems being recalled from use for example single emergency lighting systems in hospitals.

Backpacker Accommodation

In conjunction with Local Government councils the Department has undertaken an extended programme of inspections of converted residential premises into high occupancy tenements.

Activities: 1989

		90/91	1989	1988
Theatres & Public Halls	- Plan Reports	42	121	20
	- Inspections	72	301	181
Family & Community Services	- Plan Reports		214	211
	- Inspections		1062	864
Maritime Services Board	- Inspections		149	73
Health Care Buildings Reports Processed 1312	- Plan Reports	510	477	351
	- Inspections	647	592	217
	- Interviews	629.5 hrs	405	323
Local Government Ordinance Interviews - 810 hrs.	- Plan Reports	2625	2398	2181
	- Inspections	989	300	283
Local Government Buildings Over 25 M	- Plan Reports	524	874	650
	- Inspections	467	348	355
	- Interviews	27288 hrs	318	313

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## Research and New Products

Advances in the manufacture of fire protection products are kept under continuing review.

The Board's officers also have had a major involvement with the Warren Centre, of Sydney University. The Centre has conducted a study which has resulted in a fire safety engineering approach to building design rather than the prescriptive method of building regulations.

Officers represented the Department on 38 committees of the Standards Association of Australia, providing advice on safety aspects of the standards under review.

## Fire Investigation Unit

The primary role of the Fire Investigation Unit is to investigate and report upon incendiary and suspicious fires. The Unit has a secondary role of media liaison at incidents which representatives of the Unit attend.

The Unit has an operational strength of seven

District Officers headed by an Inspector. The Unit commenced in January 1988.

With the approval of the Minister, two members of the Unit attended a Seminar in New Zealand which was conducted by the International Association of Arson Investigators.

Various training seminars were attended by Unit members, including a joint seminar with the Police Crime Scene Unit which was held on 4th October 1989 at Sydney University. The Unit works in close co-operation with the NSW Police Department, in particular with the Arson Squad. A close liaison has been developed with fire investigation departments of fire brigades in other States of Australia.

An important aspect of fire investigation is the proper utilisation of the information obtained at fires. The Unit has been placed under the jurisdiction of the Superintendent Fire Prevention so that data on matters such as fire behaviour, fire spread characteristics and fire resistance of building materials and elements, can be the basis of recommendations to Local Government, Government Departments, Australian Standards and building regulations committees.

## Statistics - 1989

*Incidents attended by the Fire Investigation Unit increased in 1989 to 708 compared with 618 in 1988. An analysis of incidents attended in 1989 is as follows:*

OCCUPANCY	Accidental	Suspicious	Undetermined
Houses (private dwellings)	84	118	27
Class 2 & 3: (See Note 2)			
Home units, flats, boarding houses etc.	39	34	4
Factories	26	22	7
Warehouses	5	25	4
Schools	4	35	3
Transport	2	14	3
Hospitals	4	4	—
Churches & church halls	—	13	1
Clubs	5	3	2
Halls (other than church halls)	1	4	—
Other class 9 (See Note 3)	4	7	—
Shops	22	62	4
Offices	4	19	5
Miscellaneous	52	18	7
TOTAL FIRES	252	378	67
% of Total (Causes)	35.95%	53.92%	9.58%

## Statistics – 1989 (cont'd)

OCCUPANCY	Under Investigation	TOTAL	Cause Established
Houses (Private Dwellings)	—	229	88%
Class 2 & 3:			
Home units, flats, boarding houses etc	1	78	93%
Factories	3	58	83%
Warehouses	—	34	88%
Schools	—	42	93%
	(35 – Dept. of Education)		
Transport	—	19	84%
Hospitals	—	8	100%
Churches & church halls	—	14	83%
Clubs	—	10	80%
Halls (other than church halls)	—	5	100%
Other Class 9	—	11	100%
Shops	—	88	95%
Offices	—	28	83%
Miscellaneous	—	77	91%
TOTAL FIRES	4	701	
% of Total (causes)	.55%		
Media liaison only		7	
TOTAL INCIDENTS ATTENDED		708	
% of Total fires where cause established	89.87%		

**Note 1:** This table represents fires attended by FIU and does not represent the total of all suspicious fires throughout the State of NSW.

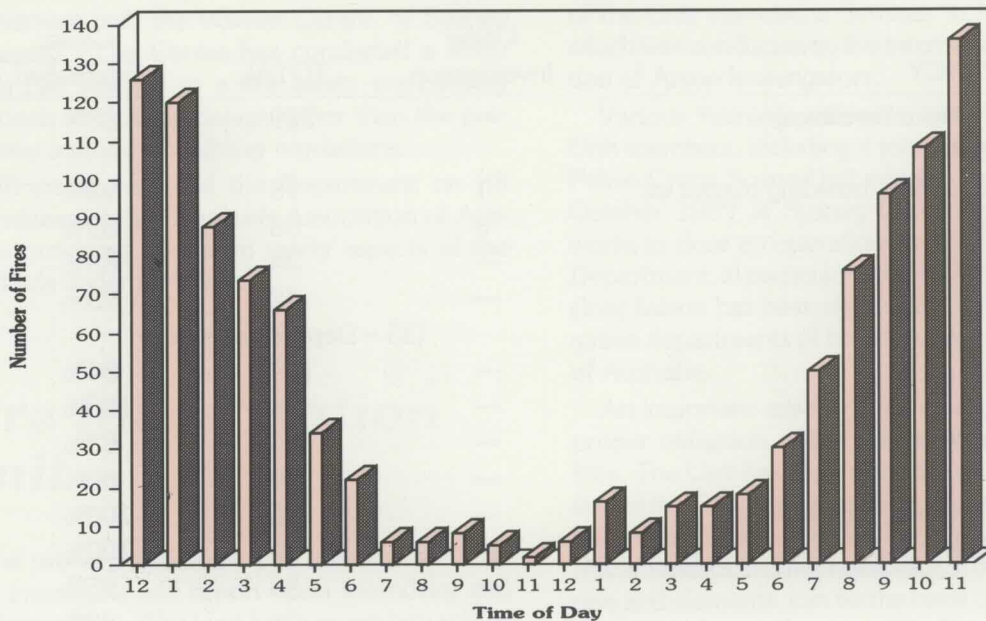
**Note 2:** Class 2 and 3 structures are boarding houses, hostels and motels, under the provisions of the Local Government Act, Ordinance 70.

**Note 3:** Class 9 structures are schools, halls and public buildings, under Ordinance 70.



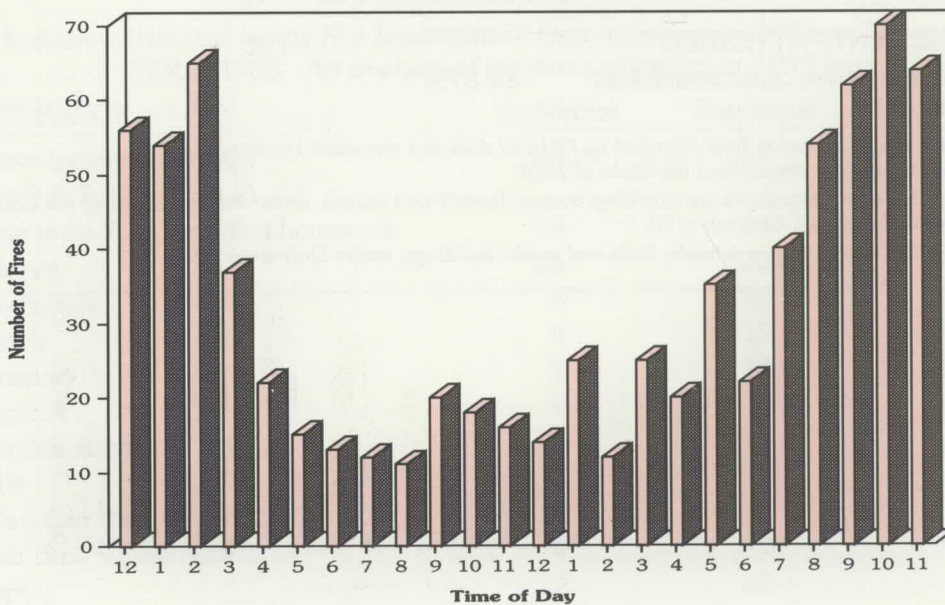
# Incendiary and Suspicious Vehicle Fires

Time of Day



# Incendiary and Suspicious Structure Fires

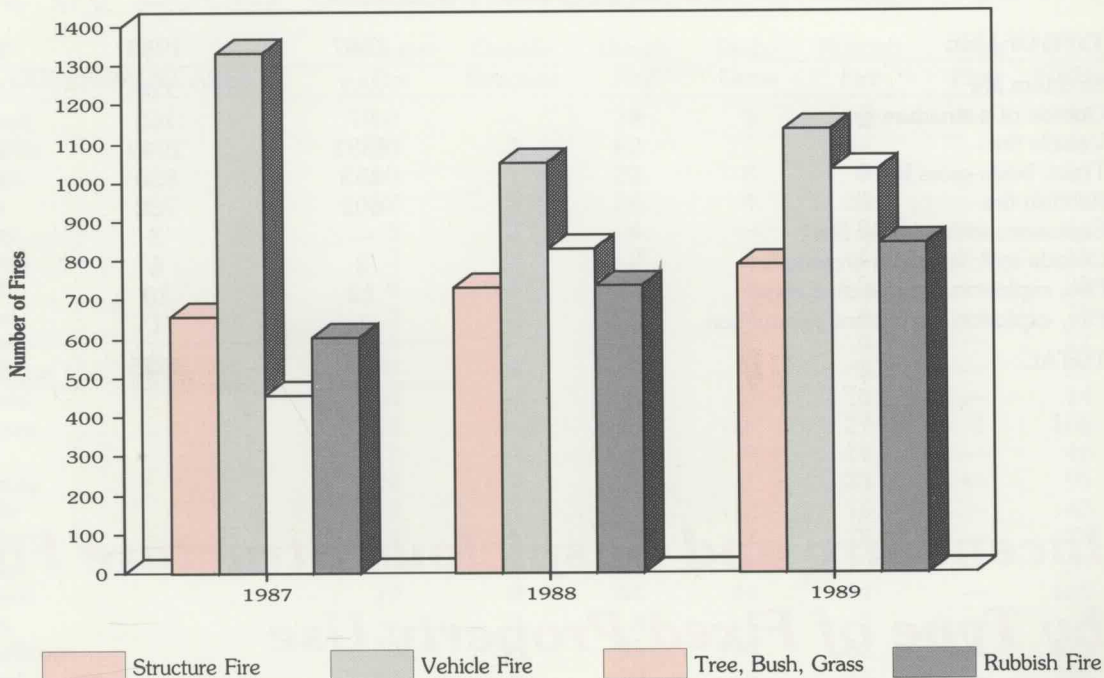
Time of Day



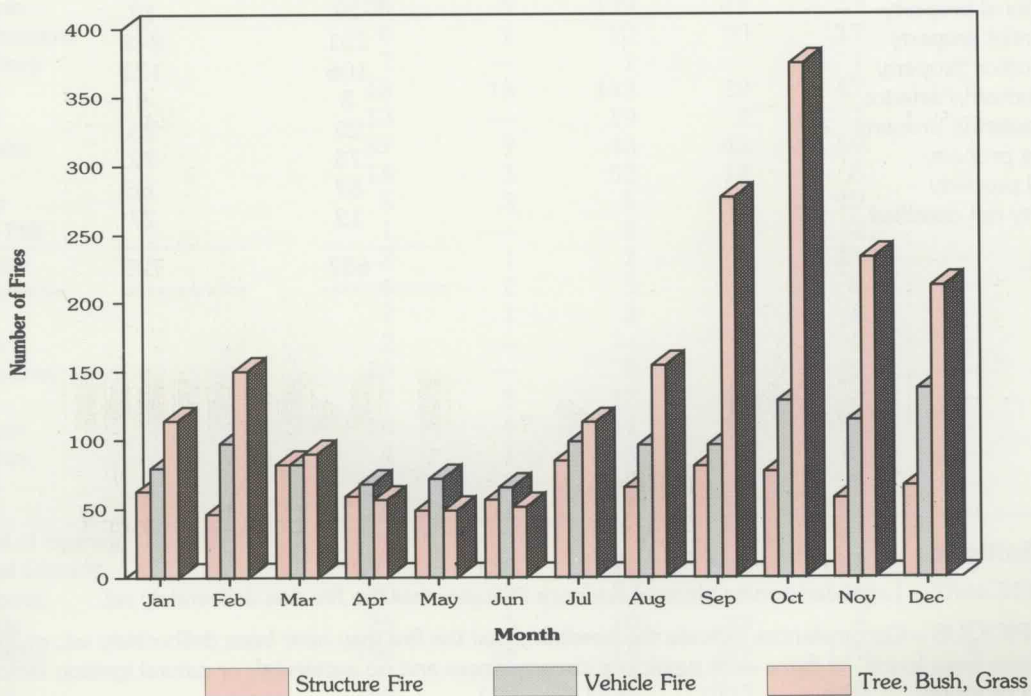


# Incendiary and Suspicious Fires

Years 1987 to 1989



## Month of Occurrence



# Comparison of Incendiary and Suspicious Fires – years 1987 to 1989

TYPE OF FIRE	1987	1988	1989
Structure fire	657	729	790
Outside of a structure fire	97	165	172
Vehicle fire	1331	1049	1136
Trees, bush, grass fire	453	830	1033
Rubbish fire	602	732	840
Explosion, with no after fire	—	3	1
Outside spill, leak with ensuing fire	2	6	5
Fire, explosion not classified above	12	10	4
Fire, explosion insufficient information	1	1	3
TOTAL	3155	3525	3984

## Incendiary and Suspicious Structure Fires by Type of Fixed Property Use

TYPE OF FIXED PROPERTY USE	1987	1988	1989
Public assembly property	49	68	59
Educational property	77	74	54
Institutional property	29	17	29
Residential property	231	248	294
Shop, office property	106	123	126
Basic industry/defence	3	8	5
Manufacturing property	20	26	19
Storage property	73	72	75
Special property	57	66	112
Property not classified	12	27	17
TOTAL	657	729	790

### Definitions

INCENDIARY – Legal decision or physical evidence indicates that the fire was deliberately set.

SUSPICIOUS – Circumstances indicate the possibility that the fire may have been deliberately set, multiple ignitions were found, or there were suspicious circumstances and no accidental, or natural ignition factor could be found.

# Incendiary and Suspicious Fires: Type of Fire by Local Government Area - 1989

LOCAL GOVERNMENT AREA	Structure Fire	Outside Structure	Vehicle Fire	Bush/Grass	Rubbish Fire	Other Fires	TOTAL FIRES
Leichhardt	10	—	18	3	12	—	43
Marrickville	20	3	62	22	34	—	141
Randwick	10	1	22	8	9	—	50
Sydney	52	5	36	4	28	—	125
Waverley	3	2	4	—	2	—	11
Woollahra	3	3	2	3	4	—	15
Ashfield	8	1	11	3	5	—	28
Burwood	3	3	5	4	4	—	19
Concord	4	—	12	1	4	—	21
Drummoyne	7	4	5	2	9	—	27
Strathfield	4	—	3	3	4	—	14
Bankstown	16	—	48	16	27	1	108
Botany	11	—	15	9	11	—	46
Canterbury	24	2	39	7	23	—	95
Hurstville	18	2	5	2	16	—	43
Kogarah	9	1	5	2	12	—	29
Rockdale	9	1	30	7	10	—	57
Sutherland	19	8	44	44	54	—	169
Camden	—	3	3	1	1	—	8
Campbelltown	37	36	95	194	62	1	425
Liverpool	41	5	70	74	46	—	236
Wollondilly	2	—	1	—	—	—	3
Auburn	13	4	22	5	14	—	58
Baulkham Hills	15	2	7	8	14	—	46
Blacktown	56	5	139	79	59	1	339
Blue Mountains	6	1	10	30	17	1	65
Hawkesbury	7	—	1	—	1	—	9
Fairfield	48	13	143	39	47	4	294
Holroyd	13	—	19	2	7	—	41
Parramatta	37	9	43	43	59	1	192
Penrith	18	3	52	12	5	—	90
Hornsby	5	3	5	14	15	—	42
Hunters Hill	1	—	2	2	2	—	7
Ku-ring-gai	2	1	2	8	11	—	24
Lane Cove	4	2	5	1	2	—	14
Manly	7	1	3	1	8	—	20
Mosman	2	—	—	—	1	—	3
North Sydney	10	—	5	2	2	—	19
Ryde	7	3	12	—	8	—	30
Warringah	14	4	11	23	25	—	77
Willoughby	4	1	3	5	10	—	23
Gosford	14	3	3	9	4	—	33
Wyang	6	1	7	1	—	—	15
Sub-total of Sydney Statistical Division	599	136	1029	693	688	9	3154
Wollongong	10	3	23	8	28	—	72
Newcastle	25	5	10	23	8	—	71
Rest of state	156	28	74	309	116	4	687
TOTALS	790	172	1136	1033	840	13	3984

## Rescue

During the period, the Minister announced that following consideration of the Report on rescue Services in NSW which was prepared by Major General R. Grey, that rescue services would be rationalised. In addition the Minister indicated that a State Rescue Emergency Services Board would be established to monitor rescue services, oversight training requirements and the level of equipment to be provided for primary and secondary accredited units. Pending the accreditation of units, the Brigades' programme for upgrading the level of equipment on response appliances was suspended.

The Minister indicated that decisions as to the outcome of the accreditation process would be announced in early 1990 following consideration of recommendations by the State Rescue and Emergency Services Board.

During the period the Brigade responded to 3,068 rescue incidents compared with 2,649 in 1988.

The Brigade participated along with other emergency service organisations in an augural State Rail Authority Disaster Exercise, which was held in the rail tunnel complex, City.

## Public Relations Section

The Section assisted the Brigades to stage major events designed primarily to raise public awareness of fire safety and prevention.

These events included Fire Safety Week throughout NSW, and a large exhibit at the Royal Easter Show with the theme, "Stop Fire in our Home".

During the year, personnel were on call to major fires and incidents to obtain photos for the media and the Board's publications, to conduct media liaison as required, and to record operational information for inclusion in the staff magazine, "Fire News".

A video camera was trialled to record fire fatalities under the direction of Fire Investigation Officers, the purpose of which was to present video evidence before the Coroner. As a result of this trial this activity will become standard procedure.

The Section also contributed to the organisation of fire station openings and promotional activities at a local level at fire stations.

An average of 30 requests per day were received by school children and members of the

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## Publication Production

Item	Description	Frequency
Annual Report		
"Fire News"	48 page journal	Quarterly
Update	Electronic News	Monthly
'000'	A brochure produced for the multi-lingual	Ongoing
Colouring Book	A small children's book containing fire safety messages	Ongoing
Fire Safety Book Mark	Bookmark containing fire safety messages	Ongoing
Mr. Cinders Stickers	Educational	Ongoing
Fire & You	Fire Safety Brochure	Ongoing
Bushfire & You	Fire Safety Brochure	Ongoing
Fire Prevention, Fire Safety & You	Fire Safety Brochure	Ongoing
Fire is our Foe	Fire Safety Brochure	Ongoing
Posters	Seven of different Themes	Ongoing
From the President's Desk	Newsletter on Important Issues	Periodic

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public for fire safety brochures, pamphlets, stickers and general information throughout the year.

The information flow regarding the Brigades activities to the various audiences included a monthly summary, "Update" sent by electronic mail to firefighters, a quarterly journal to the Brigade, Councils and the Media; and numerous media releases and interviews.

An innovation introduced during the year was the "Letter from the President's Desk" designed to inform firefighters about matters of special concern.

## **Lecturing Section (Public Education)**

The role of the Section is to provide lecturers and advice regarding fire prevention and safety. Also, the Section conducts specialised courses of instruction including the correct use of fire extinguishers to members of the public and government departments.

The Section has, during the period, been set to operate on a commercial basis so that charges for services would make the Section financially self supporting.

### **Annual Summary of Lectures**

During 1989 a total of 628 lectures were conducted by the Section.

An initiative was introduced which involves lectures being carried out by fire station staff on a local basis under the guidance and support of the Section.

Specialised Courses on fire safety were provided to personnel from the Department of Corrective Services, Department of Defence, Australian Fire Prevention Association, Technical and Further Education and Maritime Services Board.

90 plans for the evacuation of buildings have been examined during the period.

## **Inspector Cinders**

Inspector Cinders is a puppet character portrayed by an operational firefighting officer from the Lecturing Section. The purpose of this activity is to conduct interesting fire prevention and safety training for children.

Since January, 1989, 266 lectures were conducted to approximately 33,000 children in classroom situations. These lectures have taken place in:

- 51 State schools
- 20 Private schools
- 5 Kindergartens

In addition to the foregoing, Inspector Cinders has been utilised in 14 displays/fetes, 6 hospitals, 29 Brigade Band concerts, 5 museums and 6 street parades throughout 1989.

Throughout the year 5 television appearances were made i.e., "Cartoon Connection", "Romper Room", "Wombat" and 9 radio interviews were given.





# Administration and Logistics

The Supply and Maintenance Division provides logistic support to the NSW Fire Brigades. Operating at Chullora, it has supply, stores, transport, mechanical, and electrical repair and maintenance units. Each functional unit reports through a coordinator to the Superintendent Equipment, who is manager of the division.

At the direction of the Minister, the Board engaged a firm of management consultants, Pak Poy & Kneebone Pty.Ltd., to review the activities of the Supply & Maintenance Department. The report is due in early 1990.

## Supply Services

The Supply Services consist of three major areas of operation under the control of the Co-Ordinator Supply Services, these are:

- Inventory Control
- Contract/Purchasing
- Central Stores

The prominent areas of activity are summarised as follows:

### Uniform/Clothing

Following the introduction of a revised Uniform/Clothing entitlement and issue procedure during August 1988, a substantial reduction in the number of items issued was experienced during 1989.

Period	Items
August 86 to August 87	71,886
August 87 to August 88	89,211
August 88 to August 89	40,635

### Direct Supply Contracts

A contract for the direct supply of general/consumable stores to a large number of major stations, which commenced during October 1988, has continued to be successful and has operated effectively and efficiently.

A two year contract was approved for the supply direct to fire stations throughout the State of Aqueous Film Forming Foam 6% (AFFF) used for firefighting purposes. A Contracts and Pur-

chasing Policy was adopted on 30th August 1989. The Policy outlines all the requirements of:  
Purchasing/Contracts  
Tenders/Quotations  
Inventory Control

The policy is in line with that applying for Government Departments.

# Engineering Services

## Boot Section

Top boot production for the year was:-

Stock boots	1226 pairs
Special boots	400 pairs
Repairs	604 pairs

The Section has made cost savings of 30% and 20% respectively on the purchase of top boot soles and heels and leather is being purchased at a rate of 36% cheaper than that provided by previous suppliers.

## Country Maintenance of Appliances

Country Maintenance Officers are based at Newcastle,Dubbo and Wagga Wagga for control of the maintenance in country areas.

A review of the maintenance service schedules for standard pumpers has recently been undertaken. The previous two services per year will be replaced with one comprehensive service supported by additional inspections by the Country Maintenance Officers. This initiative will generate expected cost savings in the order of \$170,000 per year.

Arrangements have been made with the Roads and Traffic Authority for Country Maintenance Officers,who hold certification as unrestricted authorised inspectors,to inspect vehicles for registration at country fire stations commencing in January 1990.



## Hose Department

Hose statistics for the year were:

	19mm	38mm	70mm	95mm
Hose repaired	98	1583	1659	9
Hose assembled	260	690	745	8
Couplings stripped	32 pr	227 pr	623 pr	—
Couplings torque tested	—	125 pr	2425 pr	—
Suctions repaired	—	19	14	26
Suctions assembled	—	40	25	8
Hose converted to Storz	—	—	1430	—

## Mechanical Workshops

Statistics for the year were:

### **Mechanical – Fitting/Aerial**

Repair jobs completed on pumpers,aerials,tankers & miscellaneous vehicles:

Preventative maintenance – lube service	372
Country and outer metropolitan repairs requiring special expertise from Chullora	51
Inter departmental & miscellaneous fire fighting equipment repairs	424
Major pump overhauls	7
Minor pump repairs & adjustments	561
Repairs to Aerial appliances	494

### **Vehicle Builder**

Fit out of new vehicles	76
Body repairs & refurbishment on all vehicles	975

### **Paint Shop**

Complete repaints	6
Partial repaints and touch ups including striping & decals	708
Accident repairs by workshops staff	31
Registration inspections	300
Overhauls of brakes ,engines & transmissions by contractors	164
Accident repairs by contractors	32

# **Equipment Research & Development Unit**

This Unit undertook the evaluation of various items of clothing, equipment and new appliances. Following extensive trials, the Board approved the introduction of a new firefighting tunic which will replace the tunic which has been in use for over 80 years.

Progressive supply of the new tunic will commence in mid 1990.

## **Communications**

The survey of the Board's communications facilities by an external consultant Amos, Aked Swift Pty. Ltd. was completed during 1989. A five year communications strategy has been developed, the key elements being:

- Reduced operating costs through the use of appropriate technology and operational procedures.
- An emphasis on flexible, reliable and field proven solutions.
- The establishment of a communications planning and development group to implement and manage the Board's networks and assets.

To support the strategy, specification development for several major areas of network enhancement will commence by early 1990.

Included are:

- "000" Emergency Telephone Service
- Upgraded and commercially viable Automatic Fire Alarm Service.
- The use of radio as the primary means of station turnout.
- Improvements to radio networks.
- Switched network (telephone) facilities for administration and non-incident traffic.

Budgetary estimates indicate the proposed enhancements will return overall cost savings during the 5 year implementation period.

An audit of services provided by Telecom Australia has been undertaken, and a database facilitating regular reviews of services and operating costs has been created. Further rationalisation of services is now expected.

Alarm receiving equipment was installed at Dungog, Merriwa, Boggabri, Narrabri, Condobolin and Finley. An additional 206 alarm systems were connected in the Sydney Metropolitan area plus a further 31 in country areas. Communications facilities were installed at a number of new fire stations including Kiama, Kearsley, Denman and Berry. A major project was the relocation of the communications room at the refurbished Wollongong Fire Station.

In order to improve radio coverage in the Ka-toomba area a 30 metre tower was constructed on the Board's existing radio site in Cliff Drive. Coverage of the greater Wollongong area was improved with the commissioning of an additional radio base station site at Hill 60.

## **Motor Officer's Report**

During 1989, the Motor Officer took part in Computer Workshops at Austral Group Manufacturing, Brisbane, with the view to assisting in the development of an Australian built Fire Appliance.

Other activities carried out during 1989 were as follows:

### **(a) Arranged**

- 364 Vehicles for Service
- 1756 Routine Fleet Movements
- 623 Registration Checks

### **(b) Installed 24 minor fleet vehicles**

### **(c) Attended 14 Major Fires**

### **(d) Conducted**

- 8 Vehicle tests at Mt. Ousley
- 7 Pumper Revision Drills
- 16 Gilmart Foam Pumper Drills
- 12 Aerial Appliance Re-qualification tests

# Type and Disposition of Fire Appliances

## PUMPING APPLIANCES

MAKE & SERIES	Pump Capacity 1/sec	Year(s) Commiss- ioned	Total No.	Sydney Fire Districts			Other Fire Districts				SRS	Bush Fire	Other
				1st Call	2nd Call	Replacement Maintenance	1st Call	2nd Call	Replacement Maintenance	Training			
Bedford	34	1959/64	5										5
Ford D200	27	1969	3	1							2		
Ford D200	38	1967	4								4		
Ford D400	38	1966	3										
Dennis Jaguar International	46	1969/72	70			24	4	37	1	1		3	
C1600	38	1973	3								3		
1610A	38	1974/75	30			27	1	2					
1710A	38	1976/77	40			37		3					
1710A	57	1978	11				8		1	2			
1710B	57	1979/82	67			59		4				4	
610A 4 X 4	57	1980	2				2						
1710B FOAM	57	1980	4	1	2	1							
1710C FOAM	57	1983	1				1						
1710C	57	1983	46			43	1	1	1				
1810C	57	1984/86	111	55	1	14	38		1	2			
1950C	92	1982/86	5	4			1						
1950C 4 X 4	57	1984	1	1									
1810C Gilmat/F	57	1987	6	4									2
M/Benz	57	1988	1				1						
Scania	57	1988	1	1									
Volvo	57	1988	1					1					
			415	67	1	6	243	6	49	6	13	—	14

## SPECIAL APPLIANCES

MAKE & SERIES	Year(s)	Total Commiss- ioned No.	Sydney Fire Districts			Other Fire Districts			Training	SRS	Bush	Other
			1st Call	2nd Call	Replacement Maintenance	1st Call	2nd Call	Replacement Maintenance			Fire	
AERIAL APPLIANCES												
Telesquirt	1975	3			1	2						
Telesquirt	1985/87	3	2			1						
Skyjet	1979/84	10	5		2	3						
Snorkel	1975/85	6	4		1				1			
T/T Ladders	Various	7	4		1	1						1
Bronto Skylifter	1988	1	1									
		30	16		5	7			1			1
SPECIAL APPLIANCES												
CO2 (Thames)	1966	1			1							
CO2 (Inter)	1984	1	1									
Canteen Trailers	1984	4	2			2						
B/A Tenders	Various	4	2			2						
Hazmat Vehicles	1984	1	1									
Lighting Vehicle	1982	1	1									
Fire Command	1985/88	2	2									
All Terrain Vehicle.	1983/88	2				1		1				
Foam Trailer	1985	1	1									
Bulk Water Trailer	1988	1									1	
Coach	1986	1										1
		19	10		1	5		1			1	1
SALVAGE MOTORS												
Albion	1973	1										1
International	1975/88	13	6		4	2		1				
		14	6		4	2		1				1
COMPOSITES												
Isuzu	1988	18				18						
WATER TANKERS												
Inter 6 X 6	1978	1				1						
Bedford 4 X 2	1980	1				1						
Bedford 4 X 4	1967/82	28			3	23					2	
Mercedes 4 X 4	1984/86	19	7		1	7					4	
		49	7		4	32					6	

# Transport Department

The Transport Section undertook the following work during the period:

Delivered to Auction:	64 Vehicles
Transport of Fire Appliances to Country Towns and Outer Sydney Fire Districts:	264
Transport of firefighters effects outside the Sydney Fire District:	48
Rubbish Clean Ups at Fire Stations:	56
Motor Shifts for the Year in the Sydney Fire District:	1,144
Transport of Old Vehicles to Fire Stations for rescue training purposes:	42
Movement of Old Vehicles after Rescue Training from the Sydney Fire District:	41

## Secretariat

The Secretariat is responsible for the provision of administrative services. Its functions include the management of records, the preparation of correspondence, word processing, the publication of instructions to fire brigade and support personnel, the documentation of changes to fire district boundaries, and the provision of library support.

### 1989 Achievements

- Processed through to gazettal 12 fire district boundary changes.
- Distributed 33 sets of instructions from the Chief Officer to the Fire Brigades, and 25 from the Secretary to support staff.
- Computerisation of Board's file retrieval system was initiated. When fully implemented, it will provide greater efficiency and in the longer term, substantial savings.

## Library

The Library provides a reference service to Brigade members and the general public. A collection of fire-related information is maintained by continuous monitoring and indexing of journals and the addition of new books, standards, videos and other material to the library collection.

A current awareness service is provided with the issue of accessions lists of new material added to the library. Selective dissemination of information to sections with special interests is also provided.

The following table outlines library services provided:

	Reference enquiries	Items acquired	Request for sets of	Loans	
			journal articles	Books	Videos
1988	228	479	269	943	1072
1989	412	461	124	837	945

## Planning and Management Review Division

The Division has continued its detailed assessment of those aspects of the Board's Corporate Plan that relate to the current and future provision of fire services. Headed by a Superintendent, the Division has a total establishment of seven.

During the year the Division conducted research and produced various reports, including:

- Initial report and presentation proposing methodology for assessment of fire cover needs for the Greater Sydney Area.
- Interim report on the balance of fire service, identifying the effect of improved fire protec-

tion and education on the need for varying levels of fire cover.

- Annual Statistical Report for 1988, providing supplementary data to that given in the 1988 Annual Report for the Board of Fire Commissioners.
- Report for optimisation of existing resources in the Greater Sydney Area and proposing strategic plans for seventeen fire stations.
- Program Performance Review Reports, including a five year plan for the Board's operational activities.
- Draft guidelines for completion of Australian Fire Incident Reporting System to accommodate proposed changes to Australian Standard 2577, yet to be submitted.
- Statistical document on performance indicators for fire cover operations in the Greater Sydney Area for the year 1988.
- Reports concerned with the extension and alteration of Fire District Boundaries, the establishment of new brigades throughout the State, and necessary and proposed changes to fire cover for particular areas throughout the State.

In addition, the Division provided detailed statistical information on brigade activities to Departmental and outside organisations as required.

## **Management Information Systems**

The past year has seen further development in the Board's Office Automation System and an increase in the number of users. The memory of the Board's Vax's was increased in size to cater for 368 users.

The number of PC's installed has now reached 80 in total.

During the latter part of the year LAN's (Local Area Network's) were established in a number of selected areas;

A small network was set up in the Public Rela-

tions Section for simultaneous use by 3 people for Word Processing and Pagemaking.

With this new resource, the department is now able to prepare print ready copy for the following publications:

- Fire News
- Passing Out Parade Brochure
- Annual Report
- Fire Safety Brochures
- Other books and publications for printing

A six-user network was installed in the Records Department and an application known as "RecFind" was implemented. This system will keep track of all files and file movements initially. File searches by number and abbreviated content is also possible. In the longer term, more detailed file contents will be added to this data base. A three-user networked system was installed in the Medical Suite to allow for the entry of the medical records and appointments scheduling. In the long term this system will be updated to handle accident recording and rehabilitation management.

A ten-user Novell Network made up entirely of PC's was introduced in the Executive Suite. The major purpose of this system is to handle all word processing requirements, but it will enable individual users to implement any PC-based application.

Spreadsheet software, project management and DB III applications will be introduced progressively.

Access to Firebase for document transfer and general enquiries is also a feature of the new system. Word Perfect was selected as the main word processing software for this section.

A ZENIX-based system networking the Fire Prevention Department's existing PC's was installed. A customised system is being developed to control and manage the inspection of the building schedule. This new system will include software to bill users for the services provided by the Fire Prevention Department.

A new Digital MicroVax was installed in the Accounts Department to perform the Accounts Department processing.

At this change-over the general ledger structure was altered to provide financial reporting in line with the Brigade's changing requirements.

General ledger and accounts payable processing are the primary tasks of the new system with



planned development into accounts receivable and purchase control for 1990.

A comprehensive Brigade Personnel management system was developed during the year.

The main features of this new computerised system are the ability to maintain Leave Group balances and assist in finding the most suitable locations when staff are transferred.

## Property

New Stations were constructed at Kiama, Paxton, Kearsley, Bingara, Berry and Denman. Work was completed on the industrial buildings at Kempsey and Woy Woy which have been converted into stations. Construction commenced on a prototype, relocatable, station at Kellyville.

Kiama station was built under the same scheme as was previously successful at Gilgandra whereby the local Council acted as the Design and Construct Authority, under Board supervision, resulting in an economically satisfactory project, completed on time and designed to suit the town's old world charm.

The other five new stations have been built to a standard floor plan as a single bay Volunteer station, with exteriors to suit local architecture.

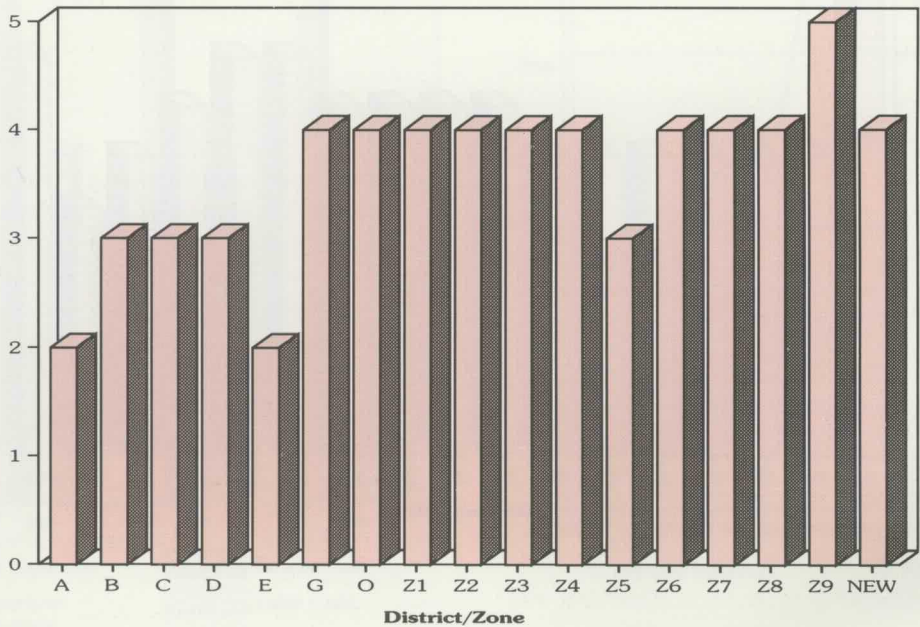
Major renovations were completed on a number of stations including Wollongong, Matraville, Ashfield, The Rocks, Pyrmont, Hornsby and extensions were made to Ingleburn and Riverstone stations.

This was the first complete year of the Board's Cyclic Maintenance Programme which provides a regular maintenance on all stations (3 years for permanently manned and 8 years for volunteer stations) in addition to repairs and unforeseen work required at other times. The Programme has proved successful with in excess of 95% of planned maintenance completed in addition to a more rapid response to calls for repairs.

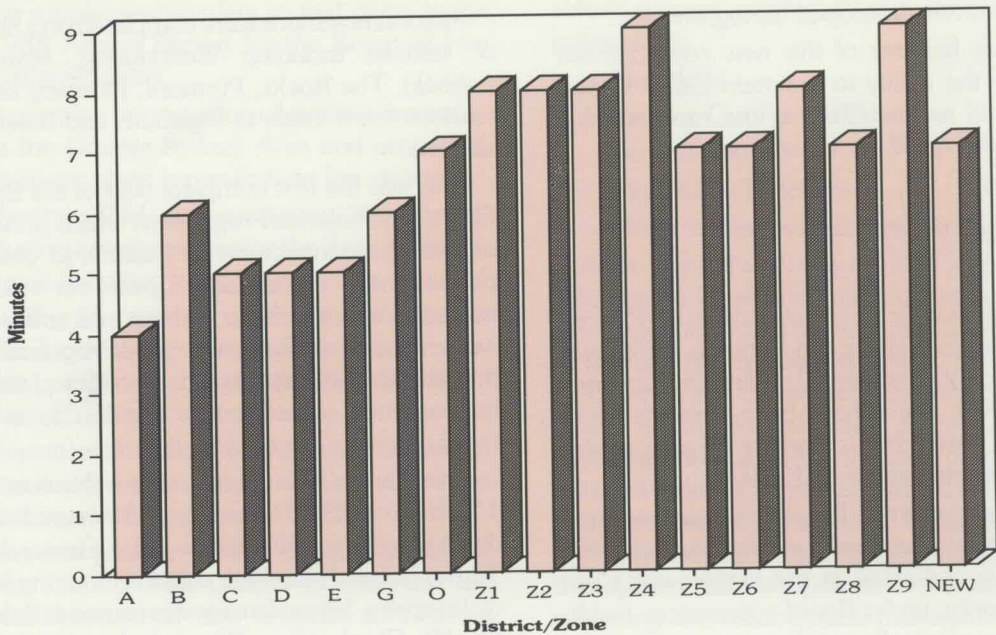
The earthquake which struck Newcastle at 10.28am on 28th December 1989 caused serious damage to Cooks Hill station and to a lesser degree Tighes Hill and Hamilton stations requiring immediate repairs. Minor damage was caused at Belmont, Cardiff, Charlestown, Waratah, Lambton, Tarro and Stockton and the full extent of the damage is not, as yet, fully assessed.

## Performance Indicators

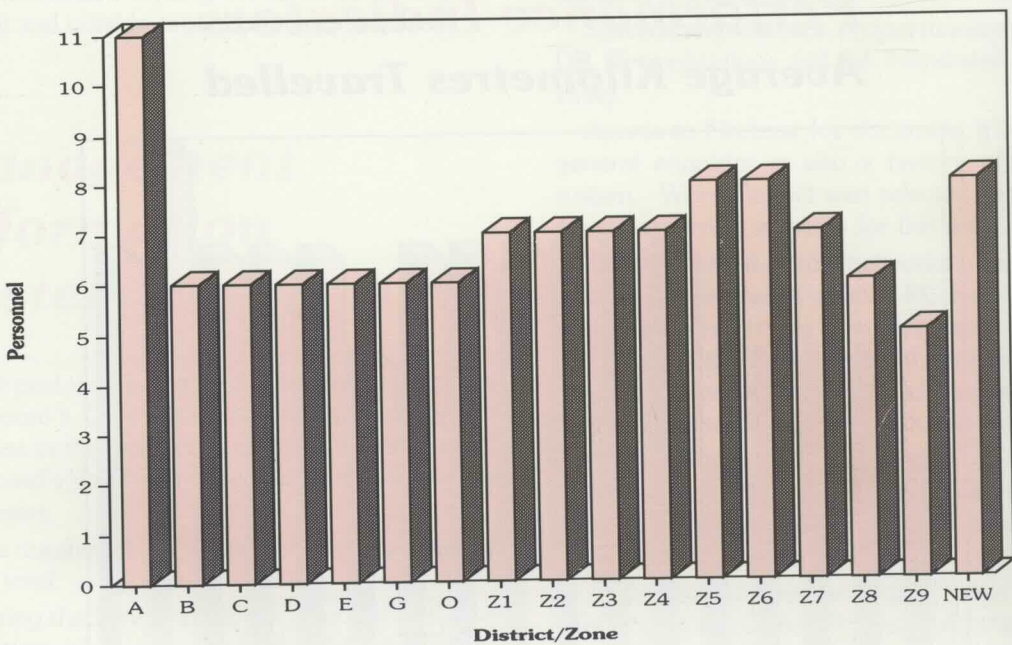
### Average Kilometres Travelled



## Average Time Taken to Arrive to Calls



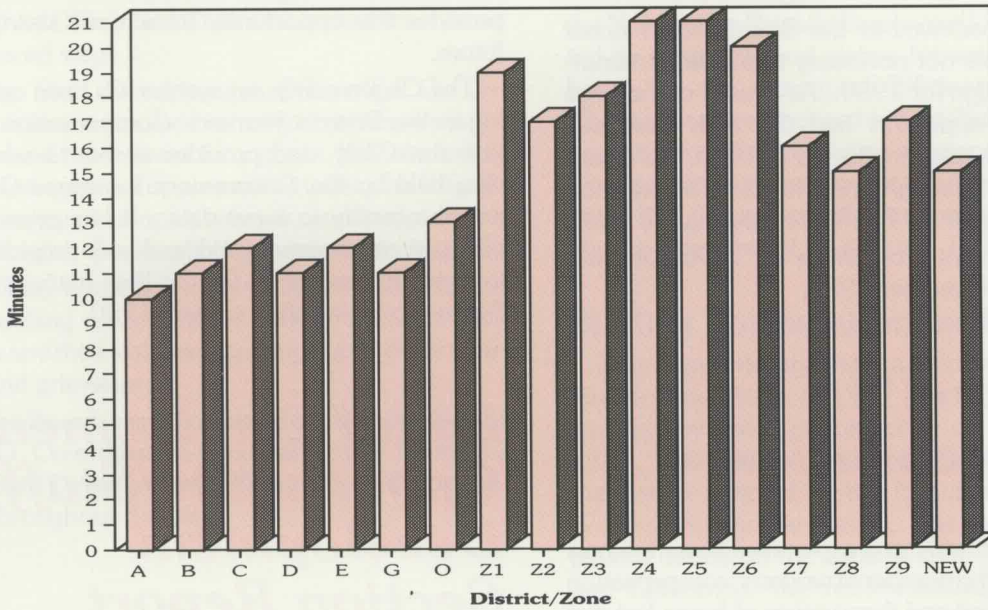
## Average Personnel





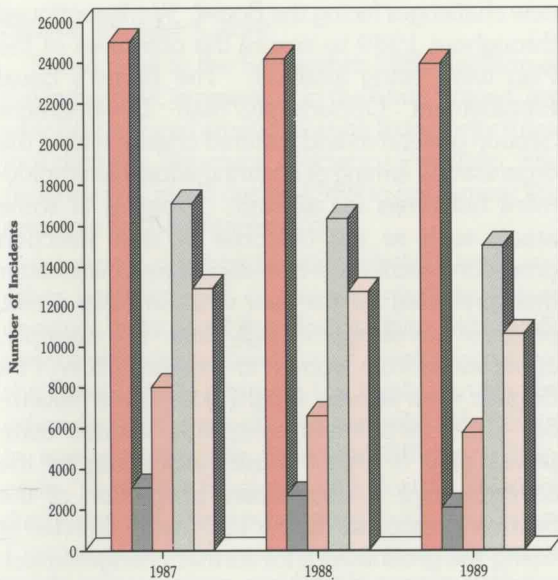
## Average Duration

### Minutes Spent at all Incidents

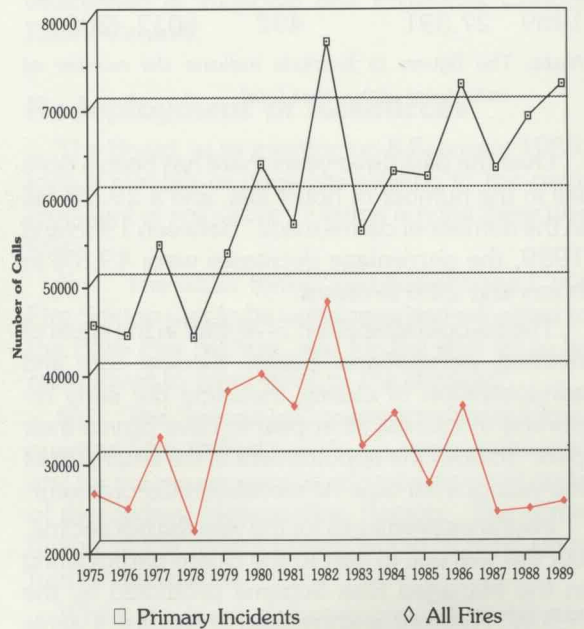


## Comparison of Calls

Years 1987 to 1989



Years 1975 to 1989



□ Primary Incidents

◇ All Fires

# Human Resources

## Recruitment of Firefighters

As foreshadowed in the Board's last Annual Report, it was not necessary to initiate a recruitment campaign for 1989. As a result of the large number of applicants and the high standards shown in the tests conducted in 1988, the Board recruited 109 firefighters who commenced training as Probationary Firefighters during the year.

A recruitment programme for 1990 was commenced in November 1989.

## Workers' Compensation

The downward trend experienced over the past few years in the number of workers' compensation claims received and the number of hours lost due to work-related injuries, was maintained and improved upon in 1989.

	Hours lost	Number of claims	Number of employees
1987	80,872	697	6042 (3128)
1988	54,206	645	6024 (3102)
1989	27,391	492	6017 (3081)

**Note:** The figures in brackets indicate the number of volunteers within that total.

Over the past three years there has been a 66% fall in the number of hours lost, and a 29.5% fall in the number of claims made. Between 1988 and 1989, the percentage decreases were 49.5% in hours and 24% in claims.

The co-operative effort of all staff in the areas of training, occupational health, medical care and administration of claims, including the early reporting of injuries, all appear to have played their part. So does the appointment in the latter part of the year of a full-time Rehabilitation Co-ordinator.

Insurance premiums for the year did not decline, but this was due in part to the Board participating in the Managed Risk Scheme promoted by the N.S.W. Treasury, and the need to establish a viable

foundation for the management of its claims under this new system. This form of partial self-insurance allows the Board to exercise greater control over its claims, including the setting of reserves, and provides the opportunity to achieve savings in future.

The Cogen computer system has been operating in the Board's Workers' Compensation Section since July, and provides access to relevant data held by the Government Insurance Office, and the facility to input data. It has proved an effective management aid and will provide the information necessary for the Risk Management System to be installed in early 1990.

## Equal Employment Opportunity/Staff Development Section Report

1989 saw the N.S.W. Government's Equal Employment Opportunity Programme move into its ninth year of implementation.

The E.E.O. Management Plan was revised to meet with legislative requirements and to address new challenges facing the Board. Work continued throughout 1989 to ensure the objectives of the Plan were being attained. The Board's Equal Employment Opportunity/Staff Development Section generated and fostered change within the organisation aiming at ensuring equitable employment outcomes for all staff. Progress in some areas, such as the outcome of staff selection procedures within non-operational areas, was better than predicted for the year while in other areas, progress was disappointingly slow. For example, applications from women to join the N.S.W. Fire Brigade were actively sought prior to the November 1989 recruitment campaign, women comprised only 3.1% of those responding to the advertisement. A significant proportion of the Section's resources during 1989 were directed at laying the groundwork for further changes anticipated with the implementation of merit based promotion and the structural efficiency principle within the organisation.

By the end of the year, negotiations with the Fire Brigades Employees Union on a revised merit based promotional system, to apply to the ranks of District Officer, Inspector, Superintendent, Deputy Chief Officer and Chief Officer had reached an advanced stage.

The Staff Development Officer/E.E.O. Co-ordinator was involved in many activities related to these and other areas throughout 1989 including promoting career opportunities within the Brigade to Aboriginal people, women, and people from non-English speaking background; conducting Staff Selection Workshops; providing consultative and counselling services to the various Sections/Divisions and their staff and handling numerous enquiries and grievances.

The Board was represented at the Public Sector E.E.O. Co-ordinators Group and other forums by the Staff Development Officer/E.E.O. Co-ordinator throughout the year.

## **Industrial Relations**

During the year there was regular meetings with the various employee representative groups on various issues. Generally, these negotiations were satisfactorily resolved.

### **State Wage Case**

Subsequent to the September 1988 decision of the Industrial Commission in the State Wage Case which introduced amended wage fixing principles, including the Structural Efficiency Principle, little progress was made during 1989 to implement this principle in the organisation.

In respect of administrative, clerical, trade and other ancillary staff of the organisation, it was decided, because of the close affinity with public service salaries and condition of employment, that the Board would join with the public service and other declared authorities in a combined strategy in implementing the Structural Efficiency Principle. The Public Employment Industrial Relations Authority led the negotiations with the Labor Council of N.S.W. representing the appropriate public sector Unions, resulting in agreement being reached on the terms of implementing strategies and programmes to conform with the principle.

The Industrial Commission ratified the agreement of the parties and granted the first 3% effective from 22 December, 1989.

Following the August 1988 National decision, the N.S.W. Fire Brigade Employees Union submitted its proposals and claims for wage increases based on the Structural Efficiency Principle. Negotiations commenced in October, 1989 and have continued. To date no agreement has been reached between the parties although it is anticipated that the matter will be processed before the appropriate tribunal in January, 1990.

### **Staffing Communications Facilities**

This dispute originating in a claim by the N.S.W. Fire Brigade Union in 1987 was the subject of a decision by the Commissioner on 31 August, 1989. This decision confirmed his earlier recommendation adopted by the Board on staffing at Wollongong and Newcastle. The Commissioner did not decide on the issue of staffing at Lismore and Katoomba, but recommended the parties continue negotiations. These negotiations have yet to be finalised.

During the period, the issue of appropriate allowances to be paid to control room operators was finalised by agreement between the parties with the previous allowance paid to operators at Alexandria being increased and new allowances being established at Regional and Provincial Control Room Centres.

### **Redeployment of Resources**

The Board, at its meeting on 8 February 1989, took a number of decisions relating to the redeployment of resources. Central among these was that:

(i) The water tanker installed at Lane Cove Fire Station was to be withdrawn and relocated to the Bush Fire Section, and for the staff (8) to be redeployed to other parts of the Brigade;

(ii) The "second call" motor attached to Headquarters Fire station was to be decommissioned and for the resources to be relocated to outer areas of the Sydney Metropolitan Region. The actual timing of the redeployment would depend upon further discussions.

Whilst the issue of the second call motor and others concerning manning redeployment were

progressively resolved the matter of the Lane Cove water tanker remained an issue.

On 9 February 1989 the Chief Officer issued instructions to give effect to the transfer of the Lane Cove tanker and staff, to be effective from 0800 hours on 17 February 1989. This instruction resulted in the N.S.W. Fire Brigades Employees Union, on the 10 February 1989, notifying the Industrial Register of a dispute. Subsequently, the Union issued an instruction to its members that in light of the fact that the dispute had been notified, no relocation of appliances or transfer of personnel arising out of the Board's decisions were to be implemented until the outcome of the dispute hearing.

On 25 August 1989 the Commissioner recommended that the Union and its membership discontinue its opposition, agree to co-operation in the water tanker's relocation and in the specific areas of redeployment which cannot be resolved confirm its acceptance of the Board's proposals. The Union accepted the Commissioner's decision in this matter.

## Staff Training & Development

### Probationary Training

During the year nine classes with a total of 129 recruits completed their 18 week course of initial training. The candidates attended a Passing Out Parade attended by the Hon. Ted Pickering, Minister for Police and Emergency Services. On that occasion the Minister also presented National Medals to a large number of permanent and volunteer firefighters.

### Volunteer Training

Courses of training continue to be provided to Volunteer Firefighters by Regional Training Officers. The Regional Training Officers have been qualified as Instructors by attending an Advanced Course in Motor Driving, the use of Cordage and Breathing Apparatus. These additional qualifications allow better and more detailed knowledge to be imparted to Country Volunteers.

## Examinations

The following formal examinations were conducted:

### **Probationary Firefighters Examination:**

Number of Candidates	Pass	Fail
129	129 (100%)	Nil

### **Senior Firefighter Examination:**

Number of Candidates	Pass	Post	Fail
179	99 (56%)	60	20

### **Station Officer Examination:**

Number of Candidates	Pass	Post	Fail
133	45 (34.5%)	68	20

### **District Officer Examination:**

Number of Candidates	Pass	Post	Fail
22	7 (33%)	5	10

## Officer Development Courses

### **Senior Regional Training Officers**

The Sydney Fire District Training Officers respective programmes have conducted "on site" drills at the Shell Refinery and attended external courses at Sale, Victoria, (Disaster Management) and the Natural Gas Company.

Specialised training for Firefighters and Officers has included:

- Vent & Bund Fires with LPG
- CABA Maze & Tower
- High Expansion Foam
- Water Relaying
- Cordage Training
- Decontamination Procedures
- Maritime Services

In excess of two-hundred examinations have also been conducted by the above Officers.



# Staffing Levels

Number of Employees, by Category, with Comparison to 1987 and 1988 Staff as at 31 December 1989

	Actual			Authorised		
	1987	1988	1989	1987	1988	1989
<b>PERMANENT BRIGADE</b>						
Chief Officer	1	1	1	1	1	1
Deputy Chief Officers	2	2	1	2	2	2
Superintendents	8	9	9	8	9	9
Inspectors	23	25	23	23	23	23
District Officers	81	89	90	81	90	91
Station Officers	563	562	564	554	563	565
Firefighters	2005	2007	2026	1997	2015	2042
<b>TOTAL</b>	<b>2683</b>	<b>2695</b>	<b>2714</b>	<b>2666</b>	<b>2703</b>	<b>2733</b>
<b>ADMINISTRATIVE AND TECHNICAL STAFF</b>						
Secretary	1	1	1			
Deputy Secretary	1	1	1			
Legal Officer	1	1	1			
Public Relations	3	1	4			
Property	24	8	12			
Management Information Services	2	2	3			
Secretariat	31	29	28			
Human Resources	9	12	13			
Employee Relations	4	5	4			
Financial	20	27	28			
Technical Development	3	5	3			
Engineering Services	85	86	78			
Supply	22	19	16			
Transport	10	10	10			
Operations Administration	14	14	16			
Chullora Administration	5	6	4			
<b>TOTAL</b>	<b>235</b>	<b>227</b>	<b>222</b>	<b>251</b>	<b>251</b>	<b>272</b>
Apprentices	22	19	17	25	22	22
<b>VOLUNTEER BRIGADES</b>	<b>3128</b>	<b>3102</b>	<b>3081</b>	<b>3275</b>	<b>3283</b>	<b>3311</b>
<b>TOTAL STAFF</b>	<b>6068</b>	<b>6043</b>	<b>6034</b>	<b>6217</b>	<b>6259</b>	<b>6338</b>

# **Occupational Health Service**

A wide range of Occupational Health and Safety services was maintained through 1989. This was supplemented by special activity directed to the implementation of the requirements of Regulations under the Occupational Health & Safety Act which came into effect from the 1st January, 1990. Also an educational package on asbestos as it affects firefighters was produced.

New projects were:

- Restructuring of the health records system, introducing computer and compactus storage methods.
- Commencement of the Health Database designed to enable statistical reporting on illnesses and injuries of firefighters.
- Addition of a psychologist and a physiotherapist to the rehabilitation provider team.
- Formation of a Critical Incident Stress Debriefing Committee, and development of policy aimed at using intervention techniques to minimise the long-term effects of trauma. Debriefing sessions have followed incidents at Wagga, Katoomba, Grafton and Kempsey. The CISD Committee involves the co-operative efforts of the Chaplain, occupational health and counselling staff, and Brigade officers.

The Occupational Health Service in 1989 also continued ongoing projects such as the Hepatitis B vaccination programme, pre-employment medical testing, and screening of firefighters after exposure to noxious chemicals.

## **Ethnic Affairs Policy Statement (EAPS)**

In 1989 a number of innovative projects were set in motion to assist people of non-English speaking backgrounds, to better appreciate and utilise the NSW Fire Brigades Service.

The three emergency services instigated discussions with Telecom Australia into the possibility of tracing "OOO" calls back to the callers as a safeguard against any unclear calls for help either through the callers' inability to speak English or any other cause. A feasibility study has been initiated by Telecom and if the project is implemented, Telecom would be able to supply the telephone number and address of the distressed caller almost immediately.

As part of the 1990 recruitment programme advertisements were placed in all major ethnic newspapers.

The Public Relations Department devised messages for broadcast on Ethnic Radio Stations, dealing with fire prevention, evacuation procedures and what to do in case of a fire, as well as general information on the Fire Brigades. Once translated into various languages, the messages will be put to air. Also being planned is the consolidation of these messages into multi-lingual brochures for general distribution.

The 1989 Carnivale once again provided an extremely successful opportunity for Fire Brigades publicity, particularly fire prevention messages. For the 1990 Carnivale large display boards will be used for posters geared towards educating and presenting messages through pictures.

## **Overseas Visits**

Two officers from the Fire Investigations Unit visited New Zealand for a training conference.

### **Bush Fire Council**

Co-operation continues between the NSW Fire Brigades and the Bush Fire Council of NSW in practical firefighting, training and cross-representation on planning committees.

The President and Chief Officer represent the Board on the Bush Fire Council, while the President is a member of the Co-ordinating Committee of the Council. The Council is an active forum and addresses matters of common interest and concern to the Bush Fire movement and the Board.

## **Australian Assembly of Fire Authorities**

The Board has continued its participation in the Australian Assembly of Fire Authorities with the President acting as the current Chairman.

The Assembly enables senior executives of member authorities to exchange information and discuss matters of mutual concern and interest. When necessary, sub-committees or working parties are formed to investigate defined areas and report back to Assembly meetings.

The Board sponsored candidates to a Senior Commander Course and the Intermediate Command Course conducted under the auspices of the Assembly.

## **Archives**

With a history dating from 1884, the Board possesses an abundance of records and archival material. In order to manage these effectively and in compliance with the Archives Act, the Board has in recent years retained the services of a part-time archives manager. Through this officer, the Board liaises with the Archives Authority of NSW and transfers records deemed appropriate for permanent preservation in the State Archives.

## **N.S.W. Fire Brigades Band**

The Brigade Band continues its excellent work in the public relations field, providing entertainment and adding colour to official ceremonies and providing positive and spectacular promotion of the NSW Fire Brigade.

The Band gave 120 performances during the year at events ranging from balls to sporting fixtures and the enthusiastic reception given by the public of NSW, reflects the quality of these performances, many in conjunction with the Academy Guards Precision Marching Team.

The Band is largely autonomous in its administration and financing. The Board provided a modest contribution towards the Band's activities.

## **Museum of Fire**

The Museum of Fire is an independent non-profit association. The Board provides financial assistance towards Museum costs and the employment of an Education Officer and is represented on the Museum's Board of Directors. A theatrette has been constructed within the Museum to provide facilities for group education. During 1989 the Board's vintage vehicles from the Museum of Fire attended parades and static displays to promote fire safety, fire protection and fire prevention through the display of interesting and historical equipment.

In the short time since its establishment, the Museum has created considerable interest in its collections.

## **Legislative Changes**

A new Fire Brigades Act was legislated in 1989 to be effective from the 1st January 1990, the major provisions of which were to:

- (a) dissolve the six member Board of Fire Commissioners,
- (b) establish the NSW Fire Brigades Advisory Council,
- (c) establish the organisation as a Government Department with the name, "New South Wales Fire Brigades", headed by a Director-General.

## **Chaplain's Report**

The first full-time chaplain was appointed to the brigade on the 14 January 1985. Associate Chaplain's (holding the dual Parish/Chaplaincy role) during the period were at Wollongong, Campbelltown, Cabramatta, Dee Why, Gosford and Newcastle.

In 1989 the trend towards an increasing workload for the chaplains continued, in some areas such as counselling there was 150% increase. 1989 witnessed a dramatic increase in the area of critical-trauma support counselling.

# Consultants

During the period, consultants were employed for various activities and projects to meet needs beyond the resources of the organisation, details of which are provided below:

## (a) Consultancies Exceeding \$30,000:

1. Pak Poy & Kneebone Pty Ltd – management consultants were employed by the Board as a result of a request from the Minister to review the activities of the Supply & Maintenance Division at Chullora.

A summary of the Terms of Reference is as follows:

- determine the real cost of services
- advise alternate methods of service delivery
- recommend methods of improving productivity and efficiency
- complete a cost/benefit analysis
- review the effectiveness of store and inventory procedures
- advise upon the extension of the range of direct supply items to fire stations.

The Consultants are expected to report in early 1990.

Cost: \$35,000

2. Amos Aked & Swift Pty. Ltd. – were employed as communications consultants during the review period. Further details of the Board's communications strategy are contained in this report under "communications".

A breakdown of costings is provided as follows:

- provision of consultancy services to assist the Board in the upgrade of its PABX network: \$36,300
- provision of specifications and recommendations associated with the introduction of a modern State-wide Automatic Fire Alarm (AFA) system: \$74,400
- provision of consultancy services to assist the Board in the upgrade of its radio network in Zone 8: \$38,275
- provision of consultancy services to assist the Board in the metropolitan and greater metropolitan areas: \$40,323

3. Liveware Solutions Pty Ltd – a computer consultancy was employed by the Board during the period in order to gain further benefits from computerisation particularly in the accounts and finance areas. Costing details are provided as follows:

– development of Budgetary Control Computer models	\$44,000
– audit of telecommunications facilities & systems	\$43,000
– payroll system enhancement	\$ 7,500
– preparation of computer general ledger `specification & project management	\$ 6,000
– information systems management	\$71,000
	<hr/> \$171,500

## (b) Schedule of Consultancies Below \$30,000:

1. Beverly Jones – consultant to Records Section regarding computerisation of records and the production of a Records Manual: \$6,200.
2. Cullen Egan & Dell – are undertaking a review of the corporate structure – \$8,000
3. Corporate Vision – set corporate goals during a management conference - \$15,000
4. Alexander Stenhouse – advice on insurance and risk management – \$23,000
5. Dennis Black – development of training curriculums - \$20,000

# PART 3 – ACCOUNTS

## Finance

Following proclamation of the Fire Brigades Act 1989, the Board of Fire Commissioners was dissolved on 1st January 1990 and the New South Wales Fire Brigades was established as a Government Department under Schedule 3 of the Public Finance and Audit Act 1983.

As a Government Department, the NSW Fire Brigades' expenditure will be funded through Consolidated Fund. Income collected by the Department from insurance companies, Local Government and other sources will be banked to the credit of Consolidated Fund Receipts (Statutory Contributions) and a Special Deposit Working Account (Other Income) maintained by NSW Treasury.

In view of these arrangements, the Department will not have funds to invest and earn interest income. However the State Government has assumed responsibility for all outstanding borrowings. In this way the level of statutory contributions required from contributors will be reduced. Under the new legislation all moneys collected by the Department are hypothecated, through the

operation of the Special Deposit Working Account, to be used solely for Fire Brigades expenditures.

The New South Wales Fire Brigades will be unique in being one of the first Government Departments to report its operations on a full accrual accounting basis, although provisions for employee leave entitlements and superannuation deferred liabilities will not be funded by the State Government at this stage.

### Operating Results

The financial operating performance of the Board for 1989 resulted in an improved position to that shown in the 1989 budget forecast in the 1988 Annual Report. The operating deficit for the year was \$4.6 million, after taking into account provisions of \$37.0 million for superannuation and employee leave entitlements, as compared with the budgeted deficit for the year of \$20.3 million. This improvement was largely due to:

- (a) a reassessment by the Government Actuary

## Performance in Brief

	1987 \$m	1988 \$m	1989 \$m	Jan – Jun 1990 Budget* \$m
INCOME				
Statutory Contributions	129.8	144.6	158.5	82.5†
Other Income	4.7	7.8	9.4	2.3
Total Income	134.5	152.4	167.9	84.8
EXPENDITURE				
Operating Expenditure	139.2	152.7	172.5	91.9
Surplus (Deficit)	(4.7)	(0.3)	(4.6)	(7.1)
Abnormal Items/Extraordinary Items	0.3	20.8	(1.9)	—
Capital Expenditure	5.8	5.5	12.2	6.2
Non-current Assets	62.5	62.1	69.1	72.1

\* The Budget estimate for the six months to June 1990 has been prepared on the basis that the NSW Fire Brigades will operate as a Government Department with its year end on 30th June.

† Statutory Contributions income includes the assessed value of fire services provided to the State of \$11.5 million (14% of contributions).

of the Board's **unfunded** past service superannuation liabilities, resulting in an increase of only \$13.9 million in assessed liability as at 31st December 1989, compared to a budgeted increase of \$21.0 million;

- (b) an increase in "Other Income" of \$3.0 million above the budget estimates; and,
- (c) a reduction of \$2.3 million in overtime costs as compared to the budgeted amount for 1989. This was in fact \$1.5 million lower than the overtime cost actually incurred in 1988 and \$2.6 million lower than 1987.

The increase in "Other Income" was due mainly to the increase in Investment Income of \$1.7 million and a contribution of \$1.1 million from the State Government for the funding of capital works during the period 1st July 1989 to 31st December 1989. "Other Income" also includes an amount of \$1.3 million received from the Commonwealth Government as its contribution to the fire protection provided for Commonwealth property.

Major operating expenditure items for the year were Staff Employment and Associated Costs of \$104.2 million, Provisions for Superannuation and Employee Leave Entitlements of \$37 million and Equipment Costs of \$9 million.

## Cashflow

The Board's working cash balance has continued to improve since 1987, when the Board's financial position was such as to require short term Treasury advances to meet cash expenditure commitments. Since June 1988, the Board has not required any further assistance in the form of short term Treasury Advances.

## Capital Expenditure

Expenditure reported during the year of 1989 on non-current assets was \$12.2 million. This expenditure was related to the transfer of the title of the Parramatta Fire Station site from the State to the Board (\$2.4 million), the construction of new fire stations and facilities, and major renovations to existing stations (\$3.7 million), the purchase of fire appliances and other motor vehicles and equipment (\$5.6 million) and computer costs (\$0.5 million).

New Fire Stations completed during 1989 as a result of the Board's capital works program were

Kiama, Paxton, Kearsley, Denman, Bingara, Woy Woy and Kempsey.

## Statutory Contributions

In accordance with the provisions of Section 34 (2) (b) of the Fire Brigades Act 1909, a total of 75 % of the Annual Estimates of Expenditure is contributed to the Board by insurance companies transacting business in New South Wales and "owners", as defined by the Act, who insure with companies not registered in this State. Table 3 lists insurance companies and owners who contribute to the Board. In 1989 the statutory contributions paid by insurance companies and owners totalled \$118.9 million or 70.8% of the total revenue of the Board for the year.

Contributions of \$118.9 million paid by insurance companies and owners were 26.8% of assessable premiums received by those companies in 1987. Under Section 36 A (1) of the Act, an annual assessment is made of the contributions payable by insurance companies and owners for the preceding year based on premiums received during that year. Following this assessment process, contributions for 1988 were calculated as 23.0% of premiums received during that year.

Section 34 (2) of the Act requires Municipalities or Shires or parts thereof which comprise a fire district to contribute one eighth of the cost of maintaining that fire district. Where a fire district is comprised of two or more municipalities or shires, Section 35 (1) requires the Local government contributions payable in respect of that fire district to be apportioned on the basis of the Valuer General's estimate of the aggregated land value of rateable land in the municipality or shire which is included in the fire district.

For 1989 Local Government bodies contributed \$19.8 million or 11.8% of the total income of the Board, as detailed in Table 2.

The Sydney Fire District is made up of the whole or part of thirty-six municipalities and shires. In 1989 the Councils of these municipalities and shires contributed a total \$15.3 million for the provision and maintenance of the fire service.

These contributions represent .00974 cents in the dollar of rateable property, a figure well under the statutory limit of 0.125 cents in the dollar of the aggregated land value of rateable land.

One hundred and twenty-eight Municipal and



Shire Councils contributed a total of \$4.55 million in respect of the other 185 Fire Districts. Estimates of expenditure for 1989 Pursuant to Section 34 (1) of the Act are detailed in Table 1.

The NSW Government's statutory contribution amounted to \$19.8 million which represented 11.8% of the total income of the Board. In addition the State contributed \$1.1 million for capital works expenditure purposes.

## Budget

An outline budget for the six months period to 30th June 1990 is set out below. A transitional six months budget has been prepared as the newly formed NSW Fire Brigades will be presenting its Financial Statements in future on a fiscal year rather than calendar year basis.

The operating result is forecast to be a deficit of \$7.1 million and includes unfunded provisions for employee leave entitlements and superannuation deferred liabilities amounting to approximately \$9.0 million. This is in line with the Government's policy for Departments to fund superannuation expenses on an emerging cost basis.

Based on the budget estimates, Statutory Contributions payable for 1990 will be:

	\$'000
Insurance Companies and Owners	60,773
Local Government	10,143
NSW Government*	11,544
	<u>82,460</u>

\* In relation to the State Government's contribution, this is the assessed value of fire services provided to the State and does not represent actual income to be collected by the NSW Fire Brigades.

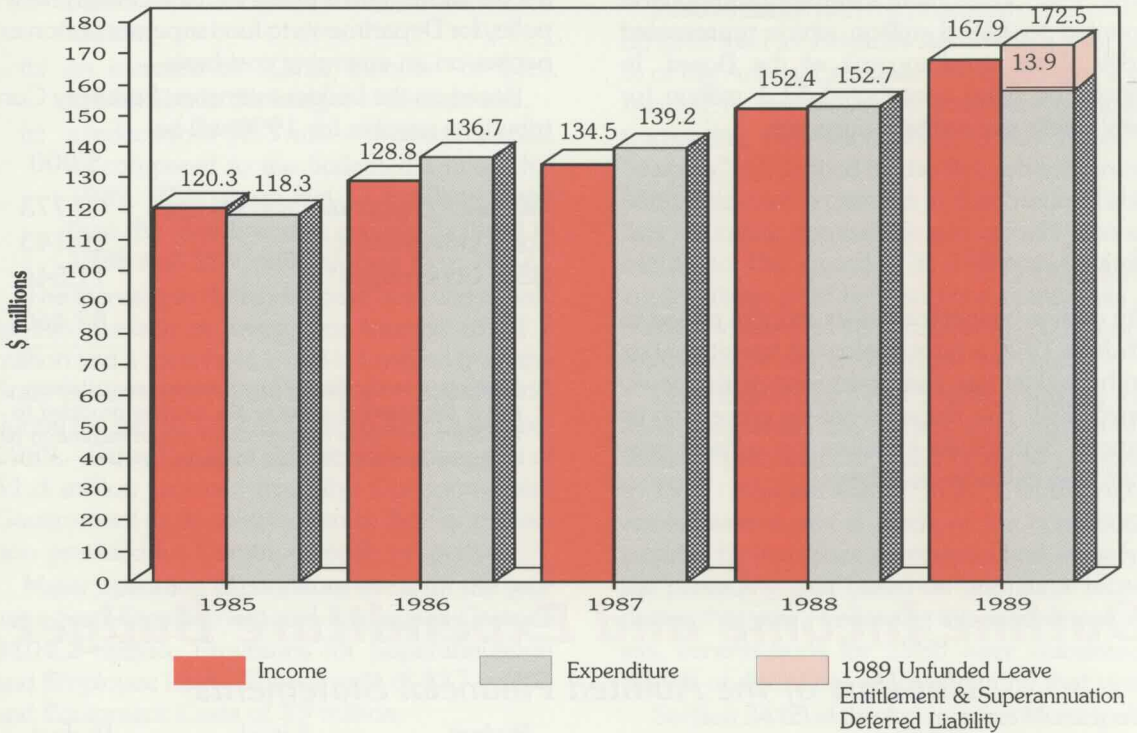
## Outline Income and Expenditure Budget

### Not Part of the Audited Financial Statements

	Budget 1989 \$'000	Actual 1989 \$'000	Budget 1990 \$'000
<b>INCOME</b>			
Statutory Contributions	158,536	158,536	82,460
Commonwealth Government			
Contribution and all other Income	6,600	9,344	2,295
	<u>165,136</u>	<u>167,880</u>	<u>84,755</u>
<b>EXPENDITURE</b>			
Operation & Maintenance of Brigades & Special Services	167,548	155,139	82,557
Brigade Training & Development	4,482	4,777	2,557
Investigation, Research & Advisory Services	3,411	3,070	1,637
Management & Administration	10,017	9,506	5,163
	<u>185,458</u>	<u>172,492</u>	<u>91,914*</u>
Operating Deficit	20,322	4,612	7,159

\* Includes a provision of \$9.0 million for unfunded deferred superannuation and employee leave entitlements.

## Five Year Comparison of Operating Income & Expenditure



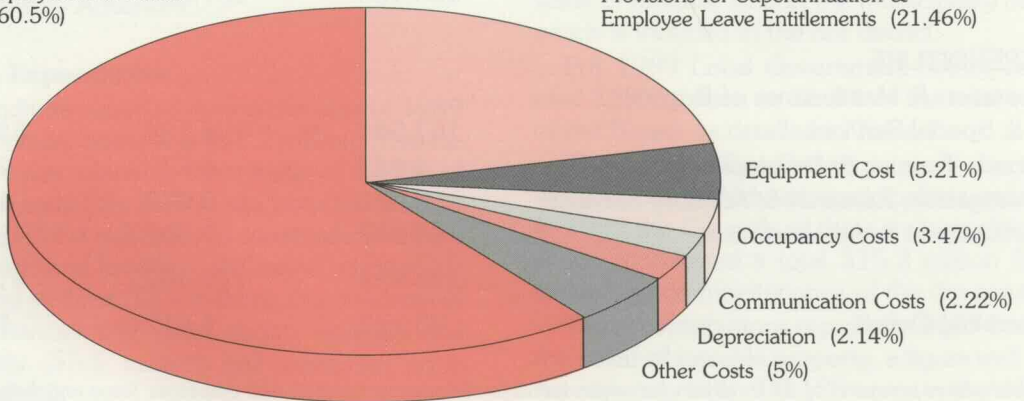
Prior to 1989, provision was not made for unfunded employee leave entitlements and superannuation deferred liabilities.

## Major Operating Items

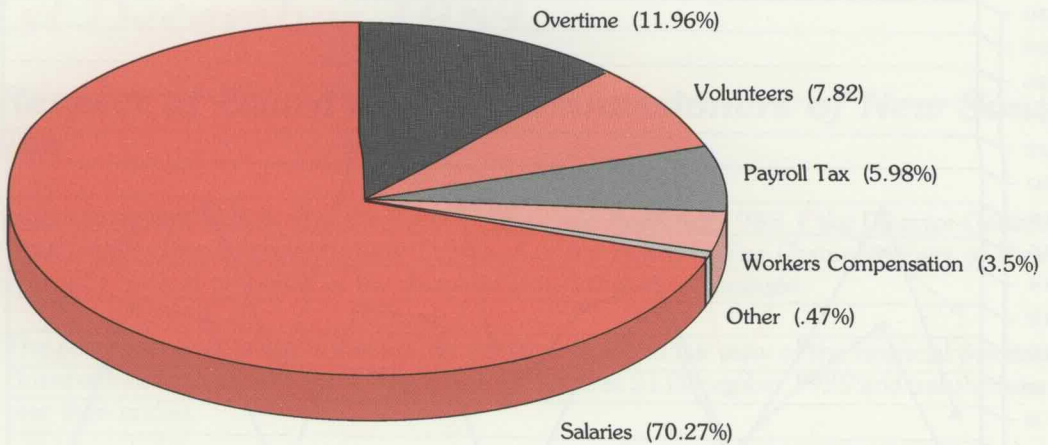
1989 Total: \$172.5 million

Staff Employment & Assoc. Costs (60.5%)

Provisions for Superannuation & Employee Leave Entitlements (21.46%)



## Staff Employment and Associated Costs



## Program Accounting Expenditure

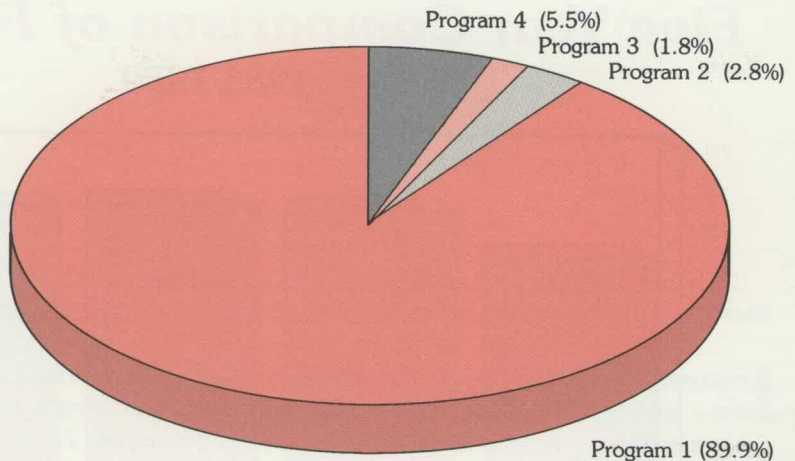
1989 Total: \$172.5 million

Program 1  
Operation & Maintenance of  
Brigades & Special Services

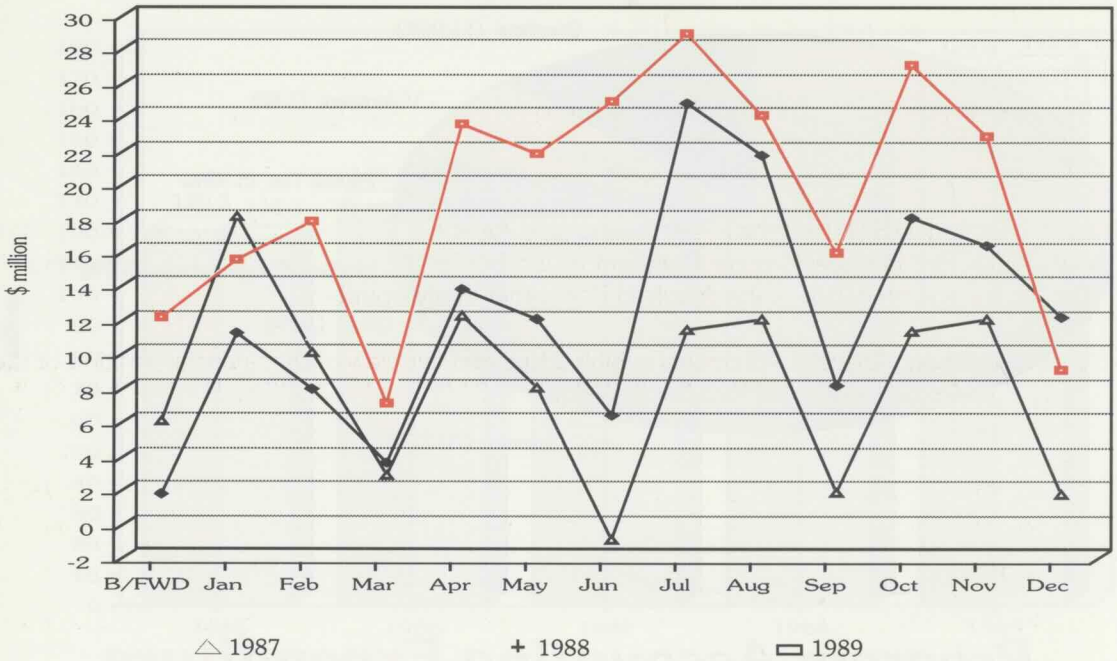
Program 2  
Brigade Training & Development

Program 3  
Investigation, Research &  
Advisory Services

Program 4  
Management & Administration

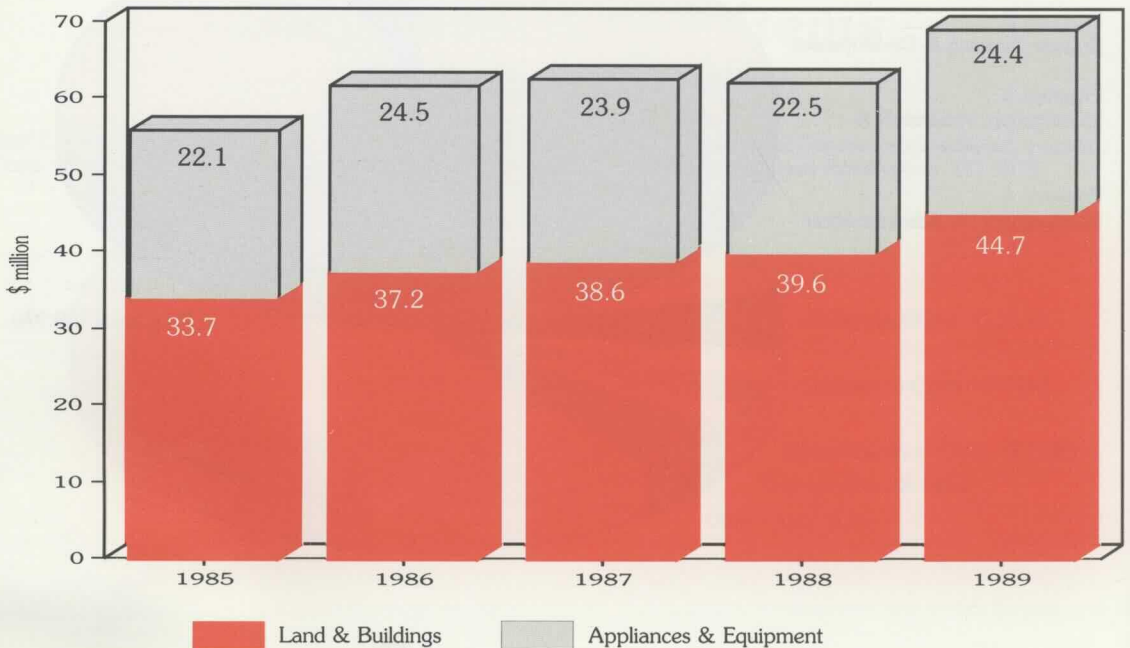


## Three Year Comparison of Cash Flow 1987-1989



1987 and 1988 have been discounted by the value of working capital loans received during the period.

## Five Year Comparison of Fixed Assets 1985-1989





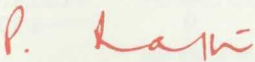
# **Financial Statements for the Year Ended 31st December 1989**

## **In Respect of Board of Fire Commissioners of New South Wales**

Pursuant to section 41B (1) (f) of the Public Finance and Audit Act 1983, I, the Director-General of the New South Wales Fire Brigades (former President of the Board of Fire Commissioners of New South Wales) declare for and on behalf of the dissolved Board that in my opinion:

1. The accompanying financial statements exhibit a true and fair view of the financial position of the Board of Fire Commissioners of New South Wales as at 31 December 1989 and transactions for the year then ended.
2. The statements have been prepared in accordance with the provisions of the Public Finance and Audit Act 1983, the Public Finance and Audit (Statutory Bodies) Regulation 1985, and the Treasurer's Directions.

Further, I am not aware of any circumstances which would render any particulars included in the financial statement to be misleading or inaccurate.



Director-General

Date: 9th February, 1990

### **Auditor-General's Certificate**

The accounts of the Board of Fire Commissioners of New South Wales for the year ended 31 December 1989 have been audited in accordance with Section 34 of the Public Finance and Audit Act 1983.

In my opinion, the accompanying balance sheet, income and expenditure and funds statements, read in conjunction with the notes thereto, comply with Section 41B of the Act and exhibit a true and fair view of the financial position at 31 December 1989 and transactions for the year then ended.



K.T. FENNELL, BA FASA CPA  
Deputy Auditor-General

Sydney  
18 April 1990



# Accounts

## Income and Expenditure Statement for year ended 31 December 1989

1988 \$'000		NOTE	1989 \$'000
	INCOME		
	Statutory Contributions	3	
108,458	Insurance Companies and Owners		118,902
18,063	N.S.W. Government		19,817
18,063	Local Government		19,817
144,584			158,536
—	N.S.W. Government Contribution	4	1,129
1,449	Commonwealth Government Contribution	5	1,312
1,990	Investment Income	6	3,652
2,692	Proceeds from disposal of Assets	7	1,056
1,645	Other Income	8	2,195
152,360			167,880
	EXPENDITURE		
	Operation & Maintenance of Brigades & Special Services	9	155,139
136,624	Brigade Training & Development	9	4,777
4,546	Investigations, Research & Advisory Services	9	3,070
2,568	Management and Administration	9	9,506
8,960			172,492
152,698	Abnormal item	12	475
20,801	Prior period adjustment		—
200,469			172,967
373,968			
221,608	Deficiency for the year		5,087
—	Less Extraordinary item	13	2,400
221,608	Deficiency after extraordinary item		2,687
(44,986)	ACCUMULATED (FUNDS) DEFICIT OPENING BALANCE		178,206
176,622	Deficiency before appropriations		180,893
1,584	Transfer to (from) Loan Repayment Reserve	14	(1,584)
178,206	ACCUMULATED DEFICIT CLOSING BALANCE		179,309

# Balance Sheet as at 31 December 1989

1988 \$'000		NOTE	1989 \$'000
<b>CURRENT ASSETS</b>			
11,092	Cash and Deposits	15	5,595
1,452	Accounts Receivable	16	884
411	Other Receivables	17	411
2,013	Stores	18	1,940
1,337	Prepayments	19	2,698
262	Contributions Outstanding	20	282
16,567	TOTAL CURRENT ASSETS		11,810
<b>NON-CURRENT ASSETS</b>			
62,119	Property, Plant and Equipment	21	69,133
62,119	TOTAL NON-CURRENT ASSETS		69,133
78,686	<b>TOTAL ASSETS</b>		80,943
<b>CURRENT LIABILITIES</b>			
13,948	Accounts Payable	22	7,650
701	Loans and Advances	23	4,799
	Provisions:		
3,000	Employee Leave Entitlements	11	3,200
11,000	Superannuation Liability	11	10,000
9,965	Contributions in advance	24	3,215
38,614	TOTAL CURRENT LIABILITIES		28,864
<b>NON-CURRENT LIABILITIES</b>			
9,212	Long Term Loans	23	9,217
	Provisions:		
28,871	Employee Leave Entitlements	11	30,216
177,956	Superannuation Liability	11	191,353
216,039	TOTAL NON-CURRENT LIABILITIES		230,786
254,653	<b>TOTAL LIABILITIES</b>		259,650
175,967	<b>NET LIABILITIES</b>		178,707
<b>CAPITAL AND RETAINED EARNINGS</b>			
(178,206)	Accumulated Deficit		(179,309)
655	Deferred Income	25	602
1,584	Reserve for Loan Repayment	14	—
(175,967)			(178,707)

# Source & Application of Funds Statement for year ended 31 December 1989

1988 \$'000		NOTE	1989 \$'000
<b>SOURCE OF FUNDS</b>			
149,581	Funds Flow from Operations		169,224
2,692	Operating Funds – Inflow		1,056
152,273	Proceeds from sale of Fixed Assets		170,280
148,281			154,705
3,992	Less Operating Funds – Outflow	30	15,575
	Reduction in Assets		
	Current Assets		
—	Cash and Deposits		5,497
386	Stores		73
363	Accounts Receivable		487
	Increase in Liabilities		
	Current Liabilities		
742	Accounts Payable		—
6,844	Contributions in Advance		—
	Non Current Liabilities		
4,788	Loans Raised		4,700
65	Deferred Income		—
17,180			26,332
<b>APPLICATION OF FUNDS</b>			
	Increase in Assets		
	Current Assets		
7,797	Cash and Deposits		—
140	Other Receivables		—
207	Contributions outstanding		20
391	Prepayments		1,361
	Non Current Assets		
4,324	Property, Plant & Equipment		11,253
	Reduction in Liabilities		
	Current Liabilities		
—	Contributions in Advance		6,750
3,000	Treasury Advance		—
—	Accounts Payable		6,298
—	Deferred Income		53
	Non Current Liabilities		
1,321	Loans repaid		597
17,180			26,332

# Notes to and forming part of the Financial Statements for the year ended 31 December, 1989.

## 1. Legislative Changes

The Fire Brigades Act 1989, which was Proclaimed to come into effect on 1 January 1990, dissolved the Board of Fire Commissioners and established in its place the N.S.W. Fire Brigades as a Department under Schedule 3 of the Public Finance and Audit Act.

The Fire Brigades Act 1989, requires that the cash assets of the dissolved Board be paid into the New South Wales Fire Brigades Capital Fund, established under Section 64 of that Act, and that other assets and liabilities, including loans, become assets and liabilities of the N.S.W. Government.

## 2. Statement of Accounting Policies

### 2.1 Basis of Accounting

These financial statements have been prepared on a full accrual accounting basis, according to the historical cost convention and in conformity with Australian Accounting Standards. They do not purport to reflect changing money values or the current value of non-current assets.

The statements are also in accord with the Board's governing legislation, the Public Finance and Audit Act, 1983, and regulations issued thereunder.

### 2.2 Format of Financial Statements

The format of the financial statements conforms to the reporting requirements of the Public Finance and Audit Act 1983 and the operations of the Board are reported on a Program Accounting basis.

### 2.3 Sale of Assets

Gross proceeds from sales of assets are shown separately from their written down values in the Income and Expenditure Statement in accordance with Australian Accounting Standard AAS15.

The form of presentation of the balance sheet follows as closely as possible that currently provided for companies in terms of Schedule 7 of the Companies Code.

### 2.4 Provision for Doubtful Debts (Refer Note 11.1)

A provision for doubtful debts has been established as a charge against income to provide for the eventuality of the Board being unable to recover overdue contributions or other debts.

### 2.5 Loans (Refer Note 23)

Loans are classified in the Balance Sheet under Current Liabilities and Non Current Liabilities. The former includes loans falling due for repayment on or before 31 December, 1990.

### 2.6 Depreciation and Amortisation (Refer Note 11.2)

The Board's depreciation policy provides for the writing-off of depreciable assets over the estimated useful life of each asset on a straight line basis calculated on historical cost of assets held at 31 December, allowance being made where appropriate for residual values.

Work in progress at 31 December is not depreciated.

Life expectancies and annual depreciation rates in respect of each asset category are shown below:-

	Years	Rate %
* Buildings	40	2.5
* Motor fire appliances	13	7.5
* Other motor vehicles	25	4.0
* Equipment	7	15.0
* Computers and word processing facilities including peripherals and capitalised development costs	5	20.0

Leasehold improvements are amortised over the period of the lease.

## 2.7 Rounding Amounts to Nearest \$000

All amounts shown in the financial statements are rounded to the nearest thousand dollars (\$'000).

## 3. Statutory Contributions

In accordance with S.34 of the Fire Brigades Act 1909 (as amended) contributions are based on an estimate of the amount proposed to be expended in respect of each fire district for the next following year commencing 1st January, such contributions are made in the following proportions:

- Insurance companies and owners      — three quarters
- Municipalities and Shires                — one eighth
- N.S.W. Government                        — one eighth

## 4. N.S.W. Government Contribution

An amount of \$1,129,000 was received from the N.S.W. Government for the purpose of funding certain Capital Works expenditure incurred during the period 1 July 1989 to 31 December 1989.

## 5. Commonwealth Government Contribution

An amount of \$1,312,434 was received from the Commonwealth Government as a contribution towards meeting the cost of fire protection to Commonwealth Government buildings in N.S.W. The contribution received in 1988 was \$1,448,880 which included retrospective indexation adjustments.

## 6. Investment Income

Investment income comprises interest receivable from investments in Official Short Term Money Market securities and interest on the Board's Current Account balance with its banker. (Refer Note 15)

## 7. Proceeds from Sales of Assets

Sales of fixed assets comprising real property and motor vehicles & equipment realised \$1,055,868 (book value \$936,271).

## 8. Other Income

Other income comprises:

	1989 \$	1988 \$
Deferred income	53,114	87,123
Monitoring of Fire alarms	1,177,105	1,091,141
Property rentals	160,088	127,544
Sales of materials & services rendered	368,873	222,096
Additional Contributions	408,740	—
Sundry items	27,070	116,732
	<u>2,194,990</u>	<u>1,644,636</u>

Additional Contributions

Additional Contributions amounting to \$408,740 are in respect of premium returns for 1988 and prior years submitted after completion of the 1988 Assessments made in accordance with S.36A of the Fire Brigades Act.



## 9. Analysis of Operating Expenditure by Program

	1	Program Number		4	1989	1988
	\$000	2	3	\$000	Total	Total
EXPENDITURE ANALYSIS		\$000	\$000	\$000	\$000	\$000
Staff Employment &						
Assoc. Costs (Note 10)	96,334	2,741	1,818	3,393	104,286	100,968
Occupancy Costs (a)	4,248	258	17	1,456	5,979	4,801
Equipment Costs (b)	8,454	272	146	118	8,990	7,768
Printing, Postage & Stationery	405	79	173	226	883	1,074
Finance Charges	1,786	36	—	39	1,861	1,131
Communication Costs	3,103	61	109	553	3,826	4,247
Professional Fees & Expenses	50	72	36	932	1,090	488
Travel & Subsistence	865	180	13	179	1,237	1,097
Computer Services	67	—	1	438	506	813
Uniforms & Clothing	1,219	1	1	12	1,233	988
General Expenses	334	49	8	408	799	726
Depreciation (Note 11.2)	3,242	142	74	306	3,764	4,280
Written down Value of						
Asset disposals	816	31	16	73	936	1,197
Provisions:						
Doubtful Debts (Note 11.1)	—	—	—	81	81	50
Employee Leave Entitlements						
(Notes 10 and 11.3)	13,957	299	289	637	15,182	13,190
Superannuation –						
Deferred Liability						
(Notes 10 and 11.4)	20,259	556	369	655	21,839	9,880
TOTALS 1989	155,139	4,777	3,070	9,506	172,492	
1989	89.9%	2.8%	1.8%	5.5%	100%	
TOTALS 1988	136,624	4,546	2,568	8,960		152,698
1988	89.5%	3.0%	1.7%	5.8%		100%

### Program Description

1. Operation & Maintenance of Brigades & Special Services.
2. Brigade Training & Development
3. Investigations, Research & Advisory Services
4. Management and Administration
- (a) Occupancy Costs include rent, rates & taxes, electricity, and building repairs and maintenance.
- (b) Equipment Costs include vehicle and equipment repairs, fuel, stores and minor equipment.

## 10. Staff Employment and Associated Costs

	1989	1988
	\$	\$
Salaries	73,278,907	68,721,483
Overtime	12,477,425	14,005,304
Volunteers	8,155,547	8,118,765
Payroll Tax	6,231,995	6,125,995
Workers' Compensation Insurance	3,646,767	2,232,130
Other	494,916	317,737
	104,285,557	99,521,414
Brigade overtime payments for December, 1987.	—	689,763
Volunteer Salaries for December, 1987.	—	756,519
	104,285,557	100,967,696

Payments in respect of employee leave entitlements and superannuation have been charged against the respective provisions.

### Workers Compensation

With effect from 30 June 1989, the Board's Workers' Compensation risks are covered by the N.S.W. Treasury Managed Fund, administered by the G.I.O., into which deposits are made and from which claims are paid. Included in the amount of \$3,646,767 is \$2,006,869 in respect of payments into the Fund. Future payments will be determined having regard to the level of claims.

## 11. Provisions

### 11.1 Provision for Doubtful Debts

An amount of \$81,000 has been transferred to the Provision for Doubtful Debts following review of outstanding charges for monitoring fire alarm lines. No bad debts have been written off during the year and consequently the amount charged against this provision is Nil.

### 11.2 Movements In Accumulated Depreciation Provisions and Amortisation

	1989 \$	1988 \$
<b>Buildings</b>		
Opening Balance	1,823,598	901,896
Add Amount provided during the year	972,983	929,000
	<u>2,796,581</u>	<u>1,830,896</u>
Less Accumulated Depreciation on Write-offs and Disposals	119	7,298
Closing Balance	<u>2,796,462</u>	<u>1,823,598</u>
<b>Leasehold Improvements</b>		
Opening Balance	140,860	87,800
Add Amount Amortised during the year	53,060	53,060
Closing Balance	<u>193,920</u>	<u>140,860</u>
<b>Motor Fire Appliances &amp; Other Motor Vehicles</b>		
Opening Balance	14,110,821	11,968,774
Add Amount provided during the year	2,544,773	2,518,765
	<u>16,655,594</u>	<u>14,487,539</u>
Less Accumulated Depreciation on Write-offs and Disposals	351,710	376,718
Closing Balance	<u>16,303,884</u>	<u>14,110,821</u>
<b>Equipment</b>		
Opening Balance	546,586	239,528
Add Amount provided during the year	95,648	307,058
	<u>642,234</u>	<u>546,586</u>
Less Depreciation written back (Refer Note 12)	474,915	—
Closing Balance	<u>167,319</u>	<u>546,586</u>
<b>Computers &amp; System Development Costs</b>		
Opening Balance	900,225	427,911
Add Amount provided during the year	571,324	472,314
Closing Balance	<u>1,471,549</u>	<u>900,225</u>

### 11.3 Employee Leave Entitlements (Refer Note 11.5)

The assessed liability in respect of Long Service Leave, Annual Leave and other Brigade leave entitlements accumulated by employees calculated at salary rates current on 31 December, 1989 amounts to \$33,416,520 and is included in these accounts (\$31,871,453 at 31 December 1988).

The liability in respect of Long Service Leave is calculated from the time employees have attained 5 years service with the Board. Where service is portable, the employee's previous service has been taken into account in the calculation.

## 11.4 Superannuation – Deferred Liability (Refer Note 11.5)

### State Superannuation Fund

The Board's unfunded past service liability in respect of the State Superannuation Fund has been assessed by the Government Actuary as \$187.7 million as at 30 June 1989. By application of the formula provided by the Government Actuary this past service liability is calculated to be \$196,788,000 at 31 December, 1989 (\$187,186,000 at 31 December 1988).

The full amount of this liability has been included in these accounts.

The date upon which the Actuary's calculations of superannuation liability and expense were based was 30 June 1989. The Actuary's report was dated 29 November 1989.

Major assumptions adopted by the Actuary in the assessment include:—

Valuations Interest rate:	9 per cent
Salary escalation:	7 per cent
C.P.I.:	6 per cent

### State Public Service Superannuation Fund

As advised by the Government Actuary on 29 November 1989, the Board's unfunded past service liability in respect of the State Public Service Superannuation Fund, as actuarially assessed, was \$1.836 million at 30 June 1989, at which date membership of the Fund was transferred to the State Authorities Superannuation Scheme.

The Board's liability to the Fund at 31st December, 1989, calculated in accordance with the Actuary's advice, is \$2.371 million and is included with the assessed liabilities shown in these accounts in respect of the State Authorities Superannuation Scheme.

### State Authorities Superannuation Scheme

As advised by the State Authorities Superannuation Board by letter dated 21 December 1989, the actuarially assessed unfunded employer superannuation liability under the terms of the State Authorities Superannuation Act and Non-Contributory Superannuation Act in respect of this Scheme was \$366,000 at 31 March, 1989. By application of the formula provided by the Board this liability is calculated to be \$2,194,000 as at 31 December, 1989 and is included in these accounts. This increase reflects the transfer of membership of the State Public Service Superannuation Fund to this Scheme.

Major assumptions adopted by the actuary include:—

interest rates:	8% p.a.
increases in C.P.I.:	5% p.a.
Salary increases :	7% p.a.

Other actuarial assumptions were based on the experience of the Scheme.

## 11.5 Summary of assessed liabilities in respect of employee entitlements

	Assessed liabilities as at 31st December, 1989 \$000	Increase (decrease) in liabilities arising in 1989 \$000	Assessed liabilities as at 31st December, 1988 \$000
Long Service Leave	27,206	1,619	25,587
Annual & other Leave	6,210	(74)	6,284
State Superannuation Fund	196,788	9,602	187,186
State Authorities Superannuation Scheme*	4,565	2,795	1,770
TOTALS	234,769	13,942	220,827

\* Includes liabilities in respect of the State Public Service Superannuation Fund (Refer Note 11.4)

The Board's governing legislation provides for superannuation and employee leave entitlements to be met on an emerging cost basis and consequently these past service costs amounting to \$234,769,000 are unfunded.

## 12. Abnormal Item

Certain items of equipment amounting to \$474,915, purchased in 1980 and earlier, have been written off as an abnormal item as the result of a stock take. These assets have been fully depreciated and the depreciation provided has been written back to the Provision. (Refer Note 11.2)

### 13. Extraordinary Item

Land, on which Parramatta fire station is sited, was acquired by way of a capital grant from the N.S.W. Government and free of cost to the Board. The amount of \$2,400,000 included in these accounts in respect of this land is the 1988 market value as advised by the Valuer-General.

### 14. Reserve for Loan Repayments

As required by the Public Authorities (Financial Arrangements) Act 1987, a Loan Repayment Reserve was created in 1988 and in 1989 an amount of \$322,000 was transferred to this reserve in respect of loans repaid in that year. The Balance of \$1,262,000 has been written back since the Board's loan liabilities as at 31 December 1989 became the liabilities of the N.S.W. Government on 1 January 1990. (Refer Note 1)

### 15. Cash at Bank and Deposits

By arrangement with its banker, the Board receives interest at a fixed rate calculated on the Board's current account balance at the close of business each day. (Refer Note 6)

### 16. Accounts Receivable

	1989 \$	1988 \$
Monitoring of fire alarm lines	851,612	1,382,254
Marina & Kindergarten	525	26,273
Miscellaneous	193,409	123,454
	<u>1,045,546</u>	<u>1,531,981</u>
Less		
Provision for Doubtful Debts	161,000	80,000
	<u>884,546</u>	<u>1,451,981</u>

### 17. Other Receivables

	1989 \$	1988 \$
Accrued interest	311,830	262,076
Travel advances	99,553	89,331
Legal costs recoverable	—	60,077
	<u>411,383</u>	<u>411,484</u>

#### Legal Costs Recoverable

On the advice of the Board's solicitors, legal costs awarded in the Board's favour in 1988, which are to be obtained through the Supreme Court of Victoria, may not be recoverable and have been written off against Legal Expenses.

### 18. Stores

The value of Stores included in the Balance Sheet is \$1,940,094 based on the result of actual count, weight or measurement as appropriate and priced at average weighted costs applicable at time of stocktake in December, 1989. The value of Stores at 31 December, 1988 was \$2,013,025.

### 19. Prepayments

	1989 \$	1988 \$
Insurances	2,502,991*	545,548
Salaries	74,410	693,927
Rents	120,975	97,389
	<u>2,698,376</u>	<u>1,336,864</u>

\* Includes \$2,006,869 in respect of workers compensation.

## 20. Contributions Outstanding

During the year contributions amounting to \$281,618 were not remitted and were due and outstanding from insurance companies at 31 December, 1989. (\$261,706 in 1988)

## 21. Non Current Assets

Non Current Assets are shown in the Balance Sheet at written down book value as summarised below:

ASSET CATEGORY	\$	Cost 31 December 1989	Accum. Deprn. Amort.	Written Down Value	Written Down Value 1988
Land & Buildings					
opening balance	41,329,472				
additions	6,110,063				
	<u>47,439,535</u>				
Less-Disposals	2,396	47,437,139	2,796,462	44,640,677	39,505,874
Leasehold Improvements					
opening balance	232,843				
additions	—				
	<u>232,843</u>	232,843	193,920	38,923	91,983
Fire Appliances & Other Motor Vehicles					
opening balance	34,757,023				
additions	5,194,880				
	<u>39,951,903</u>				
Less-Disposals	1,285,704	38,666,199	16,303,884	22,362,315	20,646,202
Equipment*					
opening balance	959,789				
additions	388,727				
	<u>1,348,516</u>				
Less Asset adjustment (Refer Note 12)	474,915	873,601	167,319	706,282	413,203
Computers and System Development Costs					
opening balance	2,361,572				
additions	495,011	2,856,583	1,471,549	1,385,034	1,461,347
		<u>90,066,365</u>	<u>20,933,134</u>	<u>69,133,231</u>	<u>62,118,609</u>

\* Includes \$239,394 in respect of demountable buildings acquired in 1989.

### Market Value of Fixed Assets

The Public Finance and Audit Act 1983 requires the Board to show the market value of all fixed assets which do not form an integral part of the Board's fire fighting services.

### Real Property

Number of Properties	Book Value \$000	Valuation \$000
358	44,641	128,440

Valuations totalling \$128,440,500 have been provided by the Valuer-General in respect of all the Board's real property holdings. Of these, 354 properties were valued at \$127,961,000 in 1989 and 4 properties valued at \$479,500 between 1983 and 1987.



### Motor Fire Appliances

By definition, motor fire appliances are classed as integral to the Board's operations and consequently market values have not been assessed.

### Other Fixed Assets

Depreciation rates applied to other fixed assets have regard to their residual values and consequently the written down value of these assets closely approximates to market value.

## 22. Accounts Payable and Accrued Expenses

	1989 \$	1988 \$
Unclaimed Monies	—	32,924
Salaries Clearing Account	178,399	4,335,597
Accrued Expenses	5,377,923	6,335,933
Creditors	18,049	403,231
Credits due to Insurance		
Companies in respect of assessment of contributions	2,076,069	2,836,101
Monies held in trust	—	3,895
	<u>7,650,440</u>	<u>13,947,681</u>

Under Section 36A of the Fire Brigades Act, an assessment is made of the previous years contributions due from insurance companies, based on insurance premiums received. This assessment is compared to advance payments received by the Board in that year from the companies and any balance due is paid to the Board while credits are held and applied to future advance payments or refunded in accordance with Section 36A (4) and (5) of the Act.

## 23. Loans & Advances

Loans due for repayment within 1 year (on or before 31 December, 1990) are classified in the Balance Sheet as Current Liabilities. Advances are provided by the N.S.W. Treasury to meet the Board's short term cash requirements and are repayable with interest.

The ageing of the Board's outstanding borrowings at 31 December, 1989 is shown below:-

LOAN	Repayment Due				Total \$'000
	Within 1 year \$'000	1-2year \$'000	2-5years \$'000	Beyond 5 years \$'000	
Debentures issued to:					
National Bank	280	246	179	—	705
State Bank	86	86	214	—	386
Treasury Corporation Loans	4,433	465	5,143	2,884	12,925
Total 31 December 1989	<u>4,799</u>	<u>797</u>	<u>5,536</u>	<u>2,884</u>	<u>14,016</u>
Total 31 December 1988	701	4,170	4,812	230	9,913

New loans raised from Treasury Corporation during 1989 for Capital works totalled \$4,700,000.

No advances were provided by the N.S.W Treasury during the year and at 31 December 1989 no such advances were outstanding.

Debentures issued to the bank are secured by a first charge on all the property of the Board with the exception of appliances and capitalised equipment exempted by the provisions of the Fire Brigades Act 1909.

Treasury Corporation loans are guaranteed by the State Treasury.

Accrued interest at 31 December, 1989 in respect of the above loans is included in Financing Charges under Management and Administration and Operation of Brigades and Special Services. (Refer Note 9)

## 24. Contributions in advance

During the year the following contributions were received in advance for the 1990 financial year:

	1989 \$	1988 \$
N.S.W. Government	—	4,954,250
Local Government	497,532	102,792
Commonwealth Government	671,847	640,587
Insurance Companies	2,045,967	4,267,765
	<u>3,215,346</u>	<u>9,965,394</u>

## 25. Deferred Income

Assets which are acquired at no cost to the Board or purchased from advances received free of repayment obligation are subject to an annual depreciation charge. In accordance with International Accounting Standard IAS20, the corresponding benefit which is reflected in the Balance Sheet is recognised in the Income and Expenditure Statement on a systematic basis over the estimated useful lives of the assets involved (Refer Notes 2.6 & 8)

Movements in respect of deferred income are as follows:-

	\$000
Opening balance	655
Less deferred income transferred to Revenue	53
Closing Balance	<u>602</u>

## 26. Contracted Capital Commitments

Capital contracts to which the Board is committed which are not otherwise recorded in the Balance Sheet totalled \$1,760,833 at 31 December 1989 details of which are as follows:

	1989 \$	1988 \$
Building & Construction work	565,991	744,741
Motor Fire Appliances	1,994,842	2,019,798
	<u>2,560,833</u>	<u>2,764,539</u>

## 27. Audit Fees

Fees for auditing services provided to the Board were:

	1989 \$	1988 \$
Internal Audit Bureau	78,284	81,567
External Audit	60,000	45,000
	<u>138,284</u>	<u>126,567</u>

Apart from audit fees, the Internal Audit Bureau and the External Auditors received no other benefits.

## 28. Emoluments or other benefits paid or due and payable to Board Members

Fees amounting to \$32,447, including \$14,568 previously foregone, were due and paid to Board members during the year ended 31 December, 1989 (\$17,027 in 1988) and do not include salaries paid to members who were full time employees of the Board.

## 29. Lease Commitments

Operating lease agreements not otherwise recorded in the Balance Sheet and payable within 12 months after the end of the financial year amount to \$1,197,769 (\$1,244,094 in 1988).

### 30. Reconciliation of Funds from Operations with Operating Deficit

	1989 \$000	1988 \$000
Operating deficit after extra ordinary/ abnormal items	2,687	21,139
LESS:		
Tranfers to Provisions		
Depreciation	3,764	4,280
Doubtful Debts	81	50
Employee Leave Entitlements	1,545	—
Superannuation	12,397	—
Abnormal Items	475	20,801
	18,262	25,131
Funds flow from Operations	15,575	3,992

END OF AUDITED FINANCIAL STATEMENTS

### Real Property Holdings

The Board's real property holdings, including fire stations, are considered to be wholly or partly available for alternative use and are therefore not regarded as integral to its operations.

Following is a Summary of real property holdings as at 31 December, 1989.

Number of Properties	Book Value \$	Valuation \$
358	44,640,677	128,440,500

Valuations totalling \$128,440,500 have been provided by the Valuer-General in respect of all the Board's real property holdings. Of these, 354 properties were valued at \$127,961,000 in 1989 and 4 properties valued at \$479,500 between 1983 and 1987.

## PART 4 - STATISTICS

Table 1:	Fire District Estimates of Expenditure 1989
Table 2:	Contribution by Shire and Municipal Councils
Table 3:	Insurance Companies/Owners
Table 4:	Type of Incident by Month of Occurrence - 1989
Table 5:	Type of Incident by District, Zone & Specialist Response - 1989
Table 5a:	Type of Action taken by District, Zone & Specialist Response - 1989
Table 6:	Fires by Time of Day - 1989
Table 7:	Type of Fixed Property Use 1987-1989 (Structure Fires Only)
Table 8:	Fixed Property use by Ignition Factor (Cause) 1989
Table 9:	Type of Fire by Local Government Area -1989
Table 10:	Dollar Damage due to Fires by Local Government Area 1989
Table 11:	NSW Government Programme Evaluation
Table 12:	Fixed Property use by number of fatalities for structure fires 1987-1989
Table 13:	Fixed Property use by number of injuries 1987-1989
Table 14:	Comparison of Incidents 1987-1989
Table 15:	Brigades Reported Responses, Strength Summary
Table 16:	Brigades Reported Responses, Strength
Table 17:	List of Telephone Numbers and Postal Addresses -Country Zone Inspectors

**Table 1****Fire District Estimates of Expenditure  
1989**

FIRE DISTRICT	\$	FIRE DISTRICT	\$
Aberdeen	35,424	Culcairn	30,336
Albury	1,122,976	Deniliquin	84,608
Alstonville	45,536	Denman	67,012
Armidale	172,032	Dorrigo	19,520
Ballina	51,674	Dubbo	299,873
Balranald	28,480	Dunedoo	25,416
Bangalow	49,824	Dungog	25,120
Barham	25,120	Eden	29,664
Barraba	19,430	Evans Head	36,486
Batemans Bay	35,552	Finley	34,181
Bathurst	173,266	Forbes	35,270
Batlow	20,224	Firster	38,784
Bega	45,664	Gilgandra	26,165
Bellingen	56,889	Glen Innes	117,760
Berrigan	25,888	Gloucester	24,544
Berry	27,744	Gosford	1,725,856
Bingara	38,048	Goulburn	210,304
Blayney	33,216	Grafton	164,384
Blue Mountains	1,420,704	Grenfell	18,104
Boggabri	53,312	Griffith	154,798
Bombala	46,400	Gulgong	23,840
Boorowa	24,668	Gundagai	36,211
Bourke	57,099	Gunnedah	72,000
Bowral	51,027	Guyra	20,106
Bowraville	22,368	Hay	35,040
Braidwood	23,936	Helensburgh	51,168
Branxton-Greta	41,891	Henty	20,764
Brewarrina	24,064	Hillston	23,757
Broken Hill	739,872	Holbrook	26,944
Brunswick Heads	38,176	Illawarra	5,031,000
Budgewoi	63,296	Inverell	171,945
Bundanoon	21,056	Jerilderie	19,992
Bundeena	34,464	Jindabyne	47,318
Byron Bay	42,176	Junee	28,052
Camden	70,592	Kandos	21,320
Campbelltown	1,998,336	Kempsey	110,144
Canowindre	28,401	Kiama	82,304
Casino	103,147	Kingscliffe	28,864
Cessnock	540,675	Kyogle	34,511
Cobar	52,365	Lake Cargelligo	20,599
Coffs Harbour	177,024	Lake Macquarie	2,326,476
Condobolin	23,501	Laurieton	34,368
Coolah	21,824	Leeton	93,280
Coolamon	23,704	Lightening Ridge	26,688
Cooma	54,912	Lismore	642,090
Coonabarabran	32,684	Lithgow	271,200
Coonamble	32,911	Lockhart	39,776
Cootamundra	39,395	Lower Hunter	60,096
Coraki	26,784	Macksville	31,648
Corowa	42,309	Maclean	78,732
Cowra	29,657	Maitland	507,060
Crookwell	30,816	Manilla	21,863



FIRE DISTRICT	\$	FIRE DISTRICT	\$
Merriwa	40,736	South West Rocks	40,288
Mittagogn	43,392	Sydney	122,125,112
Moama	36,576	Tamworth	312,224
Molong	52,544	Taree	73,248
Moree	113,984	Tea Gardens	30,336
Morisse	145,048	Temora	35,348
Moruya	28,064	Tenterfield	35,136
Moss Vale	49,696	Terrigal	33,253
Mudgee	40,466	The Entrance	208,608
Mullumbimby	30,464	Thredbo	138,327
Mulwala	63,348	Tocumwal	30,944
Murrumburrah	33,318	Toukley	52,288
Murrurundi	29,792	Trangie	30,112
Murwillumbah	42,656	Tumbarumba	22,787
Muswellbrook	48,576	Tumut	40,768
Nambucca Heads	28,128	Tweed Heads	118,208
Narooma	49,632	Ulladulla	39,264
Narrabri	49,910	Urall	18,277
Narrandra	47,650	Urunga	31,552
Narromine	34,048	Wagga Wagga	1,133,824
Nelson Bay	43,200	Walcha	24,320
Newcastle	7,184,160	Walgett	25,528
Nowra	141,120	Wallerwang	18,160
Nyngan	31,090	Warialda	22,556
Oberon	24,214	Warragambe	24,431
Orange	220,768	Warren	32,441
Parkes	57,610	Wauchope	97,856
Peak Hill	32,992	Wee Waa	26,272
Perisher Valley	223,264	Wellington	32,406
Penrith	2,109,155	Wentworth	33,536
Picton	34,108	Werris Creek	21,136
Portland	21,997	West Wyalong	29,969
Port Macquarie	223,707	Windsor	123,812
Queanbeyan	214,899	Wingham	43,890
Quirindi	21,054	Woolgoolga	43,054
Raymond Terra	43,694	Wyong	70,973
Riverstone	66,368	Yamba	24,384
Sawtell	34,528	Yass	56,704
Scone	27,968	Yenda	20,067
Shellharbour	123,192	Young	42,430
Singleton	97,632	Merimbula	39,936
		TOTAL	158,536,000

**Table 2**

# ***Contributions By Shire and Municipal Councils***

Albury City Council	140,372.00	Eurbodalla Shire Council	14,1566.00
Armidale City Council	21,504.00	Fairfield City Council	352,959.88
Ashfield Municipal	150,796.62	Forbes Shire Council	4,408.75
Auburn Municipal Council	223,634.85	Gilgandra Shire Council	3,270.63
Ballina Shire Council	12,151.25	Glen Innes Municipal Council	14,720.00
Balranald Shire Council	3,560.00	Gloucester Shire Council	3,068.00
Bankstown City Council	587,660.86	Gosford City Council	221,186.15
Barraba Shire Council	2,380.38	Goulburn City Council	26,288.00
Bathurst City Council	21,658.25	Grafton City Council	19,276.23
Baulkham Hills Shire Council	340,242.10	Great Lakes Shire Council	8,640.00
Bega Valley Shire Council	14,408.00	Greater Lithgow City Council	38,919.63
Bellingen Shire Council	13,495.13	Griffith Shire Council	21,858.13
Berrigan Shire Council	11,376.63	Gundagai Shire Council	4,526.38
Bingara Shire Council	4,756.00	Gunnedah Shire Council	9,000.00
Blacktown City Council	353,162.75	Guyra Shire Council	2,513.25
Bland Shire Council	3,746.13	Harden Shire Council	4,164.75
Blayney Shire Council	4,152.00	Hastings Municipal Council	44,491.38
Blue Mountains City Council	177,588.00	Hawkesbury Shire Council	15,476.50
Bogan Shire Council	3,886.25	Hay Shire Council	4,380.00
Bombala Shire Council	5,800.00	Holbrook Shire Council	3,368.00
Boorowa Shire Council	3,083.50	Holroyd Municipal Council	252,538.92
Botany Municipal Council	162,523.41	Hornsby Shire Council	504,912.66
Bourke Shire Council	7,137.38	Hunters Hill Shire Council	108,679.27
Brewarrina Shire Council	3,008.00	Hurstville Municipal Council	300,767.41
Broken Hill City Council	92,484.00	Inverell Shire Council	21,493.13
Burwood Municipal Council	148,319.13	Jerilderie Shire Council	2,499.00
Byron Shire Council	20,080.00	Junee Shire Council	3,506.50
Cabonne Shire Council	3,550.13	Kempsey Shire Council	18,804.00
Cabonne Shire Council	6,568.00	Kiama Municipal Council	10,288.00
Camden Municipal Council	8,824.00	Kogarah Municipal Council	259,145.56
Campbelltown City Council	249,792.00	Ku-ring-gai Municipal Council	1,174,330.73
Canterbury Municipal Council	407,960.18	Kyogle Shire Council	4,313.88
Carathool Shire Council	2,969.63	Lachlan Shire Council	5,512.51
Casino Municipal Council	123,893.38	Lake Macquarie Shire Council	296,440.50
Cessnock City Council	72,820.76	Lane Cove Municipal Council	213,890.06
Cobar Shire Council	6,545.63	Leeton Shire Council	11,660.00
Coffs Harbour Shire Council	31,825.75	Leichhardt Municipal Council	238,995.30
Concord Municipal Council	133,949.68	Lismore Shire Council	80,261.25
Coolah Shire Council	5,905.00	Liverpool City Council	186,967.99
Coolamon Shire Council	2,963.00	Lockhardt Shire Council	4,972.00
Cooma-Monaro Shire Council	6,864.00	Macleay Shire Council	12,889.50
Coonabarabran Shire Council	4,085.50	Maitland City Council	67,060
Coonamble Shire Council	4,113.88	Manilla Shire Council	2,732.88
Cootamundra Shire Council	4,924.38	Manly Municipal Council	291,352.94
Copmanhurst Shire Council	1,271.77	Marrickville Municipal Council	231,893.16
Corowa Shire Council	13,207.13	Merriwa Shire Council	5,092.00
Cowra Shire Council	3,707.13	Moree Shire Council	14,248.00
Crookwell Shire Council	3,852.00	Mosman Municipal Council	365,842.84
Culcairn Shire Council	6,387.50	Mudgee Shire Council	8,038.25
Deniliquin Shire Council	10,576.00	Murray Shire Council	4,572.00
Drummoyne Municipal	196,877.95	Murrumbidgee Shire Council	3,724.00
Dubbo City Council	37,484.13	Muswellbrook Shire Council	8,376.50
Dungog Shire Council	3,140.00	Muswellbrook Shire Council	6,072.00

Nambucca Shire Council	10,268.00	Sydney City Council	1,355,022.38
Narrabri Shire Council	16,186.75	Tallaganda Shire Council	2,992.00
Narrandra Shire Council	5,956.25	Tamworth City Council	39,028.00
Narromine Shire Council	8,020.00	Taree City Council	14,642.25
National Park & Wildlife Service	45,198.88	Temora Shire Council	4,418.50
Newcastle City Council	900,051.61	Tenterfield Shire Council	4,392.00
North sydney Municipal council	622,015.41	Tumbarumba Shire Council	2,848.38
Oberon Shire Council	3,026.75	Tumut Shire Council	7,624.00
Orange City Council	27,596.00	Tweed Shire Council	23,716.00
Parkes shire Council	11,325.25	Uralla shire Council	2,284.63
Parramatta City Council	538,606.54	Wagga Wagga Shire Council	141,728.00
Parry Shire Council	2,642.00	Wakool Shire Council	3,140.00
Penrith City Council	263,644.38	Walcha Shire Council	3,040.00
Port Stephens Shire Council	12,663.86	Walgett shire Council	6,527.00
Queanbeyan City Council	26,862.38	Warren shire Council	4,055.13
Quirindi Shire Council	2,631.75	Warringah Shire Council	997,107.54
Randwick Municipal Council	594,267.51	Waverley Municipal Council	364,851.84
Richmond River Shire Council	7,908.75	Weddin Shire Council	2,263.00
Rockdale Municipal Council	353,950.88	Wellington Shire Council	4,050.75
Ryde Municipal Council	506,233.99	Wentworth Shire Council	4,192.00
Rylstone Shire Council	2,665.00	Willoughby Municipal Council	564,867.95
Scone Shire Council	7,924.00	Wingecarribee Shire Council	20,646.38
Shellharbour Shire Council	15,399.00	Wollondilly Shire Council	7,317.38
Shoalhaven City Council	26,016.00	Wollongong City Council	635,271.00
Singleton Shire Council	12,204.00	Woolahra Municipal Council	644,808.32
Snowy River Shire Council	5,914.75	Wyong Shire Council	48,098.11
South Sydney Council	616,399.76	Yallaro Shire Council	2,819.50
Strathfield Municipal Council	179,535.51	Yass Shire Council	7,088.00
Sutherland Shire Council	753,170.94	Young Shire Council	5,303.75
			<hr/>
			19,817,000.00

# Table 3

## Insurance Companies / Owners

ACC General Insurance Limited	General Accident Insurance Co. Australia Ltd
Accident Insurance Mutual Holdings Ltd	Gerling Global Reinsurance Comapny Australia
Aetna Life Of Australia & New Zealand	Government Insurance Office of NSW
Alcan Australia	Guild Insurance Company Ltd
Alexander Stenhouse Ltd NSW Corporate Division	GRE Insurance Ltd
Alexander Stenhouse Ltd	Halliday & Nicholas
Ammerican Home Assurance Company	Hallmark General Insurance Company Ltd
Ansvar Australia Insurance Limited	Hannan & Co. NSW Pty Ltd
Australian American Assurance Company Ltd	Hartford Fire Insurance Co.
Australian Eagle Insurance Company Ltd	Health Fielding Aust. Pty Ltd
Australian General Insurance Company Ltd	HL Pacific Ltd
Australian Marine Underwriting Agency Pty Ltd	Hogg Robinson Australia Ltd
Australian Natives Association Insurance Co. Ltd	Home Owners Insurances Pty Ltd
Australian Reinsurance Company Limited	Hunter Pipe Line Company Ltd Newcastle Pipe Line Co. Ltd
AGC (Insurances) Pty Ltd	HM Bates Australia Pty Ltd
AMP Fire & General Insurance Co. Ltd	International Specialist Underwriters Ltd
APA Fire & General Insurance Co. Ltd	International Specialist Underwriters Ltd (Lloyds)
Bain Clarkson Pty Ltd	IBM Australia Ltd
Bain Dawes Reinsurance Pty Limited	IC Insurance Australia Ltd
Baltica-Skandinavia Insurance Company	Jardine Australia Insurance Brokers Pty Ltd
BHP Marine & General Insurance Pty Ltd	Jardine Underwriting Pty Ltd
Brian Leask Underwriting Agencies	JH Wackerbarth (A'Asia) Pty Ltd
BP Australia Ltd Insurance & Risk Management	Kemper Insurance Company Ltd
BRA Australia Pty Ltd	Kent Town Insurance Brokers Pty Ltd
Caltex Oil (Aust.) Pty Ltd	L Union Des Assurances De Parts
Caltex Properties Ltd	Lombard Insurance Company (Aust.) Ltd
Catholic Church Insurances Limited	Lowndes Lambert Australia Ltd
Chamber of Manufactures Insurance Ltd	Lumly General Insurance Company Ltd
CIG General Insurance Australia Ltd	MacKinnon Mcerlane Booker Pty Ltd
Cigna Insurance Australia Ltd	Majik MARKets Pty Limited
Coles-Myer Ltd	Marsh & McLennan Pty Ltd (Lloyds & London Companies)
Cologne Reinsurance Company	Marsh & McLennan Pty Ltd (non-Lloyds)
Colonial Mutual General Insurance Co. Ltd	Mercantile Mutual Insurance (Australia) Ltd
Commercial Polymers Pty Ltd	Mercantile & General Reinsurance Co. of Aust. Ltd
Commercial Union of Australia Group of Companies	Merrell Dow Pharmaceuticals Australia Ltd
Commonwealth Savings Bank of Australia	MGA-Lipman, Cooke & Partners
Copenhagen Reinsurance Co. (Australia) Ltd	Minet Australia Ltd For participating London Ins.
Cumis Insurance Society Inc.	Minet Asutralia
CCI Insurance Ltd	Mobil Oil Australia Ltd
CE Health Underwriting & Insurance Limited	Motor Accident Mutual Insurance Pty Ltd
CE Health (MARine & Avaition) Insurance Limited	Munich reinsurance Co. of Aust. Ltd
CIC Insurance Ltd	MLC Insurance Limited
CRA Group of Companies	MMI General Insurance Ltd
CSB (Australia) Pty Ltd	Nadic Australia Pty Ltd (for Elco)
David Rowley & Sons Pty Ltd	National & General Insurance Company Ltd
Defence Services Homes Corporation	Nestle Australia Ltd
Delany Coe & Kelly Pty Ltd	Neuchatel Swiss General Insurance Co. Ltd
Digital Equipment Corp. (Aust.) Pty Ltd	New India Assurance Co. Ltd
Dow Chemical (Aust.) Ltd	New Zealand Insurance Coy Ltd
Emoleum Australia Ltd	Nippon Fire & Marine Insurance Company Ltd
Finn Foster & Associates Pty Ltd	NorwichWinterthur Insurance (Aust.) Ltd
Finn Foster & Associates Pty Ltd (Lloyds & London)	Norwich Winterthur Reinsurance Corporation Ltd
Frank B. Hall & Company Australia Pty Ltd (Lloyds)	NRMAInsurance Ltd
FAI Insurance Group	
FM Insurance Company Ltd	

Oamps International Ins. Ltd  
 Pearson Webb Springbett (Aust) P/L Lloyds of London  
 Penn Insurance Broking Group Pty Ltd  
 Phillips Industries Holdings Limited  
 Property Marine Insurance Coy Ltd  
 Provident & Pensions Holdings Pty Ltd  
 Provincial Insurance Public Limited Company  
 QBE Insurance Ltd  
 Reinsurance Co. of Australasia Limited  
 Richard Oliver Australia Pty Ltd non-Lloyds  
 Robert Barrow (Aust.) Pty Ltd  
 Royal Insurance Australia Ltd  
 RAA Insurance Limited  
 RH Tolley & Gardner Pty Ltd Lloyds & London  
 Underwriters  
 Sanderson Insurance Brokers Pty Ltd  
 Sedgewick Limited  
 Sedgewick Limited (other than Lloyds)  
 Shell Chemical Aust. Pty Ltd  
 Shell Co. of Australia Ltd  
 Shell Refining (Australia) Pty Ltd  
 Sirius Insurance Co. Ltd  
 Skandia International Insurance Corporation  
 Smith, Kline & French Laboratories (Aust.) Ltd  
 Southern Cross Underwriting Pty Ltd  
 Sphere Drake Underwriting (Australia) Ltd

Praypave Pty Ltd  
 State Govt Insurance Commission  
 Steeves Lumley Pty Ltd  
 Stronghold Insurance (Aust.) Limited  
 Sumitomo Marine & Fire Insurance Company Ltd  
 Sun Alliance Australia Ltd  
 Suncorp Insurance & Finance (SGIO Qld)  
 Swann Insurance (Aust) Pty Ltd  
 Switzerland General Insurance Company Ltd  
 Sydney Metropolitan Pipeline Pty Ltd  
 Taisho Marine & Fire Insurance Company Ltd  
 The Federation Insurance Ltd  
 Tokio Marine & Fire Insurance Company  
 Transport Industries Insurance Company Ltd  
 Union Insurance Company (Aust. Branch)  
 Vanguard Insurance Co. Ltd  
 Victory Reinsurance Co. of Australia Ltd  
 Vigilant Insurance Company  
 VACC Insurance Co. Ltd  
 Wagland Salter & Associates Pty Ltd  
 Western Underwriters Insurance Limited  
 Weyerhaeuser (Aust.) Pty Ltd  
 Willis Faber & Higgins Johnson Pty Ltd  
 Willis Faber & Higgins Johnson (Reinsurance) Pty Ltd  
 Yasuda Fire & Marine Insurance Company Ltd  
 Zurich Australian Insurance Limited



Table 4

# Type of Incident by Month of Occurrence - 1989

TYPE OF INCIDENT	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOTAL
FIRE, EXPLOSION													
Structure fire	460	393	466	424	501	540	666	677	592	525	518	541	6303
Outside of a structure fire	75	70	54	42	37	49	52	62	96	121	85	74	817
Vehicle fire	276	267	281	224	213	188	247	246	295	336	297	362	3232
Trees,bush,grass fire	403	804	441	109	59	94	383	1062	2037	2377	981	1100	9850
Rubbish fire	375	440	340	220	234	245	409	424	528	532	385	460	4592
Explosion,with no after fire	8	3	6	3	—	5	2	6	3	2	—	6	44
Outside spill,leak with ensuing fire	2	11	4	4	13	3	8	8	10	9	8	9	89
Fire,Explosion not classified above	—	3	—	—	1	1	—	—	8	9	8	9	39
Fire,Explosion insufficient information	1	3	2	—	4	—	6	1	1	5	1	3	27
	1600	1994	1594	1026	1062	1125	1773	2486	3570	3916	2283	2564	24993
OVERPRESSURE RUPTURE (NO COMBUSTION)	5	5	11	6	14	12	15	5	12	7	6	14	112
RESCUE CALL	218	232	241	230	253	275	241	262	270	263	309	274	3068
HAZARDOUS CONDITION OR STANDBY	647	667	714	568	619	575	631	638	704	691	700	838	7992
SERVICE/SALVAGE CALL	157	121	120	87	117	103	112	125	127	166	142	206	1583
GOOD INTENT CALL	290	338	324	288	300	312	425	410	555	497	345	455	4539
FALSE CALL	1290	1330	1273	1367	1441	1299	1524	1452	1498	1623	1490	1447	17034
SYSTEM MALFUNCTION	908	902	1193	1341	1240	1032	1089	1017	1011	1057	1026	1086	12902
OTHER TYPES OF INCIDENTS	4	4	10	6	4	11	5	4	7	10	10	12	87
TOTALS	5119	5593	5480	4919	5050	4744	5815	6399	7754	8230	6311	6896	72310

Table 5

# Type of Incident by District, Zone and Specialist Response -1989

DISTRICT/ZONE	Fire and/or with explosion	Overpressure rupture	Rescue call	Hazardous condition	Service salvage	Good intent	False call	System malfunction	Other	Total Primary responses	All responses
SYDNEY FIRE DISTRICT											
A District	814	7	147	378	125	122	2611	2321	2	6527	10117
B District	1581	13	318	778	197	622	1758	1792	—	7059	10343
C District	2245	10	333	806	239	417	1481	726	6	6263	8703
D District	1484	10	213	666	135	427	1554	1438	1	5928	8936
E District	1188	13	136	331	167	286	1449	1428	5	5003	7499
G District	4753	9	771	910	265	643	2500	1699	13	11563	15472
Outer Sydney	2528	4	174	380	30	325	897	367	2	4707	5745
COUNTRY ZONES											
Zone 1	825	8	129	422	32	280	453	451	2	2602	3020
Zone 2	1223	1	100	266	40	106	426	331	13	2506	3037
Zone 3	537	1	74	193	17	92	331	236	6	1487	1870
Zone 4	585	3	70	150	16	62	192	113	1	1192	1328
Zone 5	653	4	50	173	36	104	289	162	3	1474	1688
Zone 6	529	1	26	144	17	66	143	68	4	998	1150
Zone 7	636	2	75	248	41	132	349	226	12	1721	2143
Zone 8	1633	11	164	715	130	257	925	563	3	4401	5300
Zone 9	696	1	66	283	25	111	285	127	7	1601	1626
Newcastle	3082	14	222	1148	71	487	1391	854	7	7276	9560
Specialist Response	1	—	—	1	—	—	—	—	—	2	568
TOTALS	24993	112	3068	7992	1583	4539	17034	12902	87	72310	98105

Table 5A

# Type of Action Taken by District, Zone and Specialist Response - 1989

DISTRICT ZONE	Extinguish	Rescue Only	Investigation	Remove Hazard	Standby at Incident	Salvage	Medical Assistance Rendered	Cover Assignment	Not Classified	Undetermined	TOTAL
SYDNEY FIRE DISTRICT											
A District	655	80	5252	348	42	25	7	13	69	36	6527
B District	1281	132	4642	671	124	28	14	—	166	1	7059
C District	1939	153	3159	732	81	27	18	12	140	2	6263
D District	1283	111	3744	598	69	21	9	6	71	16	5928
E District	988	75	3393	295	66	18	5	8	82	73	5003
G District	4245	202	5663	981	182	24	8	17	226	15	11563
Outer Sydney	2338	85	1831	350	58	6	11	—	24	4	4707
COUNTRY ZONES											
Zone 1	673	53	1359	380	70	4	7	15	40	1	2602
Zone 2	1090	27	939	206	103	5	2	61	45	28	2506
Zone 3	417	28	788	174	51	6	4	5	11	3	1487
Zone 4	514	19	440	164	36	3	1	11	3	1	1192
Zone 5	557	7	617	170	61	5	3	30	15	9	1474
Zone 6	432	13	369	108	43	2	1	9	13	8	998
Zone 7	482	33	861	231	54	8	6	5	24	17	1721
Zone 8	1445	38	2033	585	172	25	2	15	72	14	4401
Zone 9	563	34	651	212	87	4	1	17	25	7	1601
Newcastle	2689	71	3473	663	252	15	7	17	67	22	7276
Specialist Response	—	—	2	—	—	—	—	—	—	—	2
TOTALS	21591	1161	39216	6868	1551	226	106	241	1093	257	72310

Table 6

## *Fires by Time of Day - 1989*

TIME	Structure fire	Outside structure	Vehicle fire	Bush/ grass	Rubbish fire	Other fires	TOTAL FIRES
0	198	44	215	177	210	5	849
1	207	52	185	109	167	2	722
2	169	43	140	85	131	5	573
3	132	42	121	57	111	3	466
4	123	26	99	45	73	1	367
5	91	14	81	39	54	1	280
6	134	9	84	44	56	1	328
7	154	23	59	66	81	1	384
8	222	24	79	119	119	8	571
9	235	20	98	213	144	4	713
10	285	36	86	356	174	14	951
11	309	22	97	517	177	11	1133
12	294	26	107	699	188	17	1331
13	309	39	133	802	184	11	1478
14	305	37	120	938	200	20	1620
15	298	33	152	979	246	10	1718
16	289	37	139	1034	256	10	1765
17	454	40	145	931	317	8	1895
18	460	45	141	709	301	23	1679
19	423	39	169	523	287	14	1455
20	369	40	175	486	313	9	1392
21	319	45	194	401	323	8	1290
22	269	46	196	308	263	6	1088
23	255	35	217	212	217	7	943
Time not reported	—	—	—	1	—	—	1
TOTAL	6303	817	3232	9850	4592	199	24993

**Table 7*****Type of Fixed Property Use 1987 - 1989  
(structure fires only)***

TYPE OF FIRE	1987	1988	1989
Public Assembly property	292	298	302
Educational property	152	147	120
Institutional property	210	196	214
Residential property	3554	3620	3867
Shop, office property	534	558	615
Basic industry/defence	73	66	65
Manufacturing property	310	340	312
Storage property	405	362	406
Special property	250	246	306
Property not classified	77	137	96
TOTAL	<u>5857</u>	<u>5970</u>	<u>6303</u>



Table 8

# Fixed Property use by Ignition Factor (cause) for Structure Fires - 1989

IGNITION FACTOR	Public Assem. prop.	Educational prop.	Institutional prop.	Residential prop.	Shop, office prop.	Basic indust. defence	Manufacturing prop.	Storage prop.	Special prop.	Unclass	TOTAL
Ignition Factor Undetermined	36	7	12	383	67	12	35	99	48	28	727
INCENDIARY											
Not during civil disturbance	12	8	5	67	36	1	2	15	39	1	186
During civil disturbance	—	—	1	—	—	—	—	—	—	1	2
	12	8	6	67	36	1	2	15	39	2	188
SUSPICIOUS											
Not during civil disturbance	47	44	23	223	88	4	17	60	71	14	591
During civil disturbance	—	2	—	4	2	—	—	—	2	1	11
	47	46	23	227	90	4	17	60	73	15	602
MISUSE OF HEAT OF IGNITION											
Insufficient information	2	1	1	19	4	—	1	2	5	—	35
Abandoned,disgarded material	25	5	28	185	43	1	9	29	41	4	370
Thawing	—	—	—	5	1	—	—	—	—	—	6
Falling asleep	—	1	2	118	—	—	—	1	—	2	124
Inadequate control of open fire	1	—	2	39	3	2	2	8	6	3	66
Cutting, welding too close	—	—	3	18	22	4	31	18	17	2	115
Children 16 years and under playing	11	5	2	152	14	2	2	38	29	4	259
Mental or physical impairment	1	—	4	9	—	—	—	1	1	—	16
Not classified	6	2	7	155	8	—	3	1	3	2	187
	46	14	49	700	95	9	48	98	102	17	1178
MISUSE OF MATERIAL IGNITED											
Insufficient information	—	—	—	5	1	—	—	—	1	—	7
Fuel spilled, released accidentally	2	1	—	31	4	—	3	2	1	—	44
Improper fuelling techniques	1	—	—	7	1	—	—	1	—	—	10
Flammable liquid used to kindle fire	—	1	—	5	—	—	—	1	—	—	7
Washing part, cleaning, painting	—	—	—	3	—	—	1	1	—	—	5
Improper container	1	—	1	9	—	—	1	1	—	2	15
Combustible too close to heat	13	1	12	161	16	3	5	6	3	4	224
Improper storage	—	1	—	8	1	1	—	5	1	—	17
Children playing	2	2	1	34	3	—	—	7	7	1	57
Not classified	3	—	2	24	3	—	1	—	1	1	35
	22	6	16	287	29	4	11	24	14	8	421

IGNITION FACTOR	Public Assem. prop.	Educational prop.	Institutional prop.	Residential prop.	Shop, office prop.	Basic indust.. defence	Manufacturing prop.	Storage prop.	Special prop.	Unclass	TOTAL
<b>MECHANICAL FAILURE, MALFUNCTION</b>											
Insufficient information	1	—	3	18	4	—	5	—	—	—	31
Part failure,leak, break	9	3	5	77	12	—	23	8	2	2	141
Automatic control failure	2	—	2	11	3	—	8	2	—	—	28
Manual control failure	1	—	1	8	1	—	2	—	—	—	13
Short-circuit,ground fault	29	15	37	451	99	16	21	26	5	2	701
Other electrical failure	10	2	12	152	33	7	12	10	1	5	244
Lack of maintenance,worn out	7	—	6	141	19	1	9	3	—	1	187
Backfire	—	—	—	1	—	—	5	3	1	—	10
Not classified	2	—	2	12	1	1	5	—	—	—	23
	61	20	68	871	172	25	90	52	9	10	1378
<b>DESIGN,CONSTRUCTION,INSTALLATION DEFICIENCY</b>											
Insufficient information	—	—	—	4	1	—	1	—	—	—	6
Design deficiency	1	1	—	12	1	—	1	—	—	—	16
Construction deficiency	—	—	—	38	2	—	5	2	—	—	47
Installed too close to combustibles	—	—	1	44	5	—	1	4	1	1	57
Other installation deficiency	1	2	—	18	1	—	2	1	—	—	25
Property too close to heat source	3	1	1	36	7	—	3	5	1	1	58
Not classified	—	—	1	8	2	—	1	—	—	—	12
	5	4	3	160	19	—	14	12	2	2	221
<b>OPERATIONAL DEFICIENCY</b>											
Insufficient information	2	—	1	19	7	1	6	2	2	—	40
Collision,overturn,knockdown	—	—	1	14	1	—	2	3	—	—	21
Accidentally turned on	8	1	4	137	10	—	1	—	—	2	163
Unattended (eg. stove)	34	3	12	729	32	1	10	6	4	4	835
Overloaded	6	2	8	53	14	3	18	5	1	2	112
Spontaneous heating	4	1	2	51	11	—	10	10	1	—	90
Improper startup,shutdown procedures	3	—	—	11	4	—	4	—	1	—	23
Not classified	4	1	3	32	10	1	23	4	1	—	79
	61	8	31	1046	89	6	74	30	10	8	1363

IGNITION FACTOR	Public Assem. prop.	Educational prop.	Institutional prop.	Residential prop.	Shop, office prop.	Basic indust.. defence	Manufacturing prop.	Storage prop.	Special prop.	Unclass	TOTAL
NATURAL CONDITION											
Insufficient information	—	—	—	—	1	—	1	—	—	—	2
High wind	—	—	—	1	—	1	1	1	—	—	4
Earthquake	—	1	—	—	—	—	—	—	—	—	1
High water, including floods	1	—	—	1	—	—	—	—	—	—	2
Lightning	—	—	—	13	1	—	—	2	—	—	16
Not classified	—	1	—	7	—	—	2	2	—	1	13
	<u>1</u>	<u>2</u>	<u>—</u>	<u>22</u>	<u>2</u>	<u>1</u>	<u>4</u>	<u>5</u>	<u>—</u>	<u>1</u>	<u>38</u>
OTHER IGNITION FACTOR											
Animal	—	—	—	6	—	—	1	—	—	—	7
Rekindled from a previous fire	5	1	—	12	6	2	4	3	6	—	39
Other ignition factor not classified	<u>6</u>	<u>4</u>	<u>6</u>	<u>86</u>	<u>10</u>	<u>1</u>	<u>12</u>	<u>8</u>	<u>3</u>	<u>5</u>	<u>141</u>
	<u>11</u>	<u>5</u>	<u>6</u>	<u>104</u>	<u>16</u>	<u>3</u>	<u>17</u>	<u>11</u>	<u>9</u>	<u>5</u>	<u>187</u>
TOTAL	<u><u>302</u></u>	<u><u>120</u></u>	<u><u>214</u></u>	<u><u>3867</u></u>	<u><u>615</u></u>	<u><u>65</u></u>	<u><u>312</u></u>	<u><u>406</u></u>	<u><u>306</u></u>	<u><u>96</u></u>	<u><u>6303</u></u>

**Table 9*****Type of Fire by Local Government Area - 1989***

LOCAL GOVERNMENT AREA	Structure Fire	Outside Structure	Vehicle Fire	Bush/ Grass	Rubbish Fire	Other Fires	TOTAL FIRES
Leichhardt	85	7	50	27	68	6	243
Marrickville	125	12	103	75	87	2	404
Randwick	117	8	57	109	97	6	394
Sydney	412	29	142	68	291	7	949
Waverley	65	8	15	5	29	1	123
Woollahra	51	6	23	10	21	1	112
Ashfield	52	7	27	22	33	1	142
Burwood	26	5	9	14	20	1	75
Concord	28	6	21	11	7	2	75
Drummoyne	26	6	14	8	20	—	74
Strathfield	30	3	11	26	21	2	93
Bankstown	160	14	112	177	155	2	620
Botany	64	8	43	69	58	7	249
Canterbury	130	11	86	112	106	4	449
Hurstville	90	9	31	51	62	2	245
Kogarah	40	5	18	21	34	—	118
Rockdale	75	3	55	54	42	2	231
Sutherland	165	26	90	205	153	5	644
Camden	16	8	15	29	6	—	74
Campbelltown	157	51	142	824	197	5	1376
Liverpool	181	12	113	371	171	3	851
Wollondilly	16	2	12	24	6	—	60
Auburn	85	13	52	98	83	1	332
Baulkham Hills	87	8	32	90	49	3	269
Blacktown	244	25	201	705	376	5	1556
Blue Mountains	82	5	40	166	66	11	370
Hawkesbury	52	5	23	37	18	1	136
Fairfield	228	40	184	241	230	11	934
Holroyd	74	8	43	64	110	—	299
Parramatta	199	22	111	197	205	6	740
Penrith	120	38	105	407	179	1	850
Hornsby	92	9	34	101	73	3	312
Hunters Hill	17	2	6	11	12	—	48
Ku-ring-gai	52	11	21	30	26	—	140
Lane Cove	41	5	17	18	14	—	95
Manly	58	9	21	25	24	—	137
Mosman	37	5	13	10	14	—	79
North Sydney	100	9	40	24	28	2	203
Ryde	86	14	65	51	42	—	258
Warringah	156	24	57	191	120	4	552
Willoughby	52	12	21	35	24	1	145
Gosford	134	10	71	388	73	4	680

LOCAL GOVERNMENT AREA	Structure Fire	Outside Structure	Vehicle Fire	Bush/ Grass	Rubbish Fire	Other Fires	TOTAL FIRES
Wyong	73	16	52	178	28	2	349
Cessnock Greater	45	8	21	439	38	5	556
Lake Macquarie	154	22	53	904	99	5	1237
Maitland	79	5	12	240	71	2	409
Newcastle	222	27	51	317	153	8	778
Port Stephens	31	4	18	75	9	7	144
Denman	3	2	1	4	1	—	11
Dungog	6	—	—	4	—	1	111
Gloucester	2	—	—	1	1	—	4
Great Lakes	15	—	1	19	3	—	38
Merriwa	1	1	1	2	1	—	6
Murrurundi	—	—	1	10	2	—	13
Muswellbrook	15	4	4	20	4	1	48
Scone	1	—	4	20	2	—	27
Singleton	12	3	5	25	2	—	47
Kiama	13	3	7	17	7	2	49
Shellharbour	30	3	21	113	32	2	201
Wollongong	166	49	108	403	216	12	954
Shoalhaven	43	6	21	69	11	1	151
Wingecaribee	38	3	12	26	7	—	86
Ballina	22	2	10	16	7	—	57
Byron/Mullumbimby	12	2	5	24	6	1	50
Casino	10	—	6	14	2	1	33
Kyogle	5	—	3	14	1	—	23
Lismore	20	3	22	31	7	—	83
Richmond River	3	1	1	21	—	—	26
Tweed	23	9	21	44	9	1	107
Bellingen	4	1	2	12	1	—	20
Coffs Harbour	42	5	21	123	23	—	214
Copmanhurst	1	—	—	—	—	—	1
Grafton	26	2	6	25	5	—	64
Maclean	3	2	2	11	1	1	0
Nambucca	6	1	5	12	4	1	29
Ulmarra	1	—	—	1	—	—	2
Hastings	42	9	13	68	24	1	157
Kempsey	16	1	10	44	2	—	73
Manning	—	—	—	1	—	—	1
Taree	18	1	7	39	7	—	72
Tamworth	39	3	15	65	32	—	154
Barraba	5	—	3	3	1	—	12
Bingara	1	—	—	2	—	—	3
Gunnedah	14	—	2	11	4	—	31
Manilla	5	—	3	3	—	—	11
Nundle	—	—	—	2	—	—	2
Parry	3	1	3	13	—	1	21
Quirindi	14	—	—	7	2	—	23
Yallaro	4	1	—	11	—	—	16
Inverell	23	1	9	35	2	1	71
Armidale	43	4	10	18	3	—	78



LOCAL GOVERNMENT AREA	Structure Fire	Outside Structure	Vehicle Fire	Bush/ Grass	Rubbish Fire	Other Fires	TOTAL FIRES
Dumaresq	6	—	—	2	—	—	8
Glen Innes	14	—	2	23	3	—	42
Guyra	5	—	—	1	—	—	6
Severn	1	—	2	1	—	—	4
Tenterfield	9	—	4	12	—	—	25
Uralla	7	1	4	4	1	—	17
Walcha	4	—	2	3	—	—	9
Narrabri	9	3	10	28	—	1	51
Moree	23	9	5	60	6	—	103
Coolah	1	—	1	1	—	—	3
Coonabarabran	6	1	4	6	2	—	19
Dubbo	56	8	14	72	35	1	186
Gilgandra	6	—	3	20	1	—	30
Mudgee	5	—	5	4	12	1	27
Narromine	4	3	3	4	2	—	16
Wellington	8	—	1	15	—	—	24
Bogan	5	—	2	4	1	1	13
Coonamble	6	—	3	16	1	—	26
Walgett	6	3	6	26	1	—	42
Warren	5	—	1	10	3	1	20
Bourke	6	2	3	59	1	—	71
Brewarrina	3	—	—	13	—	—	16
Cobar	3	—	—	3	3	—	9
Bathurst	34	3	11	11	7	—	66
Orange	47	3	13	35	21	1	120
Lithgow Greater	30	—	9	51	7	1	98
Oberon	7	1	1	2	1	—	12
Rylstone	3	—	1	6	—	—	10
Bland	10	—	2	7	2	—	21
Cowra	8	3	7	13	2	—	33
Forbes	13	2	4	16	4	—	40
Lachlan	11	—	3	9	2	—	25
Parkes	25	4	3	29	1	1	63
Cabonne/Molong	13	—	5	18	6	1	43
Queanbeyan	34	7	12	20	19	3	95
Boorowa	4	—	—	2	2	—	8
Crookwell	5	1	2	2	1	—	11
Goulburn	34	3	17	28	15	3	100
Gunning	—	—	1	1	—	—	2
Harden	5	1	1	3	1	—	11
Mulwaree	3	—	2	—	—	—	5
Tallanganda	1	—	1	1	1	—	4
Yarrowlumla	—	—	2	2	—	—	4
Yass	12	—	8	9	5	—	34
Young	13	2	6	7	2	—	30
Eurobodalla	11	3	6	12	3	1	36
Bega Valley	12	—	5	12	3	—	32
Bombala	2	1	—	1	—	—	4
Snowy River	3	1	3	2	—	1	10

LOCAL GOVERNMENT AREA	Structure Fire	Outside Structure	Vehicle Fire	Bush/ Grass	Rubbish Fire	Other Fires	TOTAL FIRES
Cooma-Monaro	5	2	2	8	2	1	20
Wagga Wagga	50	3	28	39	39	4	163
Coolamon	3	—	—	2	—	—	5
Cootamundra	5	—	3	10	1	—	19
Gundagai	7	1	2	1	1	1	13
Junee	15	2	1	9	1	1	29
Lockhart	1	—	1	4	1	—	7
Narrandera	7	—	2	9	5	—	23
Temora	9	1	3	30	4	2	49
Tumut	11	1	3	11	8	1	35
Carrathool	—	—	1	5	1	—	7
Hay	3	1	4	12	1	—	21
Leeton	14	1	5	18	1	—	39
Griffith	17	1	8	76	3	—	105
Albury	47	6	19	58	25	2	157
Hume	4	—	2	2	—	—	8
Corowa	13	—	5	5	6	—	29
Culcairn	6	—	3	7	—	—	16
Holbrook	—	—	—	1	1	—	2
Tumbarumba	1	—	—	—	—	—	1
Berrigan	10	—	2	18	4	1	35
Deniliquin	22	—	2	17	2	—	43
Jerilderie	2	—	—	3	1	—	6
Murray	3	1	2	14	2	—	22
Wakool	4	—	—	3	2	—	9
Balranald	2	—	2	3	—	—	7
Wentworth	2	—	3	4	2	—	11
Broken Hill	41	7	11	38	22	—	119
TOTAL	6303	817	3232	9850	4592	199	24993

**Table 10**

# ***Dollar Damage due to fires by Local Government Area - 1989***

LOCAL GOVERNMENT AREA	\$0 to \$99	\$100 to \$999	\$1000 to \$9999	\$10000 to \$24999	\$25000 to \$49999	\$50000 to \$249999	\$250000 to \$999999	\$1000000 to \$5000000	over \$5000000	Undeter- mined.	TOTAL
Leichhardt	100	5	35	10	1	3	—	—	—	49	243
Marrickville	142	56	76	24	4	10	—	—	—	92	404
Randwick	144	47	64	7	2	2	1	—	—	127	394
Sydney	350	167	146	30	18	5	5	—	1	227	949
Waverley	36	26	23	6	1	1	—	—	—	30	123
Woollahra	31	29	23	3	4	1	2	—	—	19	112
Ashfield	57	27	22	10	1	2	—	—	—	23	142
Burwood	24	12	6	4	3	—	—	—	—	26	75
Concord	21	12	24	7	1	2	—	—	—	8	75
Drummoyne	25	13	19	2	—	—	1	—	—	14	74
Strathfield	42	9	9	4	1	1	—	—	—	27	93
Bankstown	255	72	119	28	5	16	—	—	—	125	620
Botany	78	20	33	2	4	5	—	—	—	107	249
Canterbury	189	76	79	18	3	2	1	1	—	80	449
Hurstville	110	45	37	7	5	2	—	—	—	39	245
Kogarah	46	27	14	7	1	1	—	—	—	22	118
Rockdale	70	30	59	11	7	1	1	—	—	52	231
Sutherland	249	96	103	16	6	6	2	—	—	166	644
Camden	29	8	12	7	—	1	—	—	—	17	74
Campbelltown	748	98	126	39	4	8	1	—	—	352	1376
Liverpool	417	82	115	29	4	9	—	1	—	194	851
Wollondilly	31	8	5	5	4	2	—	—	—	5	60
Auburn	150	40	56	11	5	2	—	—	—	68	332
Baulkham Hills	103	37	45	9	5	8	1	—	—	61	269
Blacktown	861	110	212	53	13	13	2	—	—	292	1556
Blue Mountains	254	38	35	9	4	4	—	—	—	26	370
Hawkesbury	62	19	28	8	3	2	—	—	—	14	136
Fairfield	328	105	171	63	10	9	1	2	1	244	934
Holroyd	161	50	31	11	3	4	—	—	—	39	299
Parramatta	348	85	106	30	7	12	3	—	—	149	740
Penrith	516	65	96	34	7	4	2	—	—	126	850
Hornsby	166	64	36	10	5	2	1	—	—	28	312
Hunters Hill	21	7	9	1	1	—	—	—	9	48	
Ku-ring-gai	68	38	26	2	—	—	—	—	—	6	140
Lane Cove	41	11	22	4	—	2	—	—	—	15	95
Manly	65	33	25	6	2	—	1	—	—	5	137
Mosman	37	22	12	—	3	3	—	—	—	2	79
North Sydney	87	37	36	10	6	2	—	—	—	25	203
Ryde	104	50	49	11	2	—	—	—	—	42	258
Warringah	58	73	62	13	9	4	—	—	—	33	552
Willoughby	67	8	30	9	3	1	—	—	—	17	145
Gosford	282	56	75	21	7	6	4	1	—	228	680
Wyong	162	41	42	17	4	6	1	—	—	76	349
Cessnock. Greater	295	24	18	5	4	4	2	—	—	204	556
Lake Macquarie	816	60	72	14	9	4	1	1	—	60	1237
Maitland	212	21	34	7	5	6	1	—	—	123	409

LOCAL GOVERNMENT AREA	\$0 to \$99	\$100 to \$999	\$1000 to \$9999	\$10000 to \$24999	\$25000 to \$49999	\$50000 to \$249999	\$250000 to \$999999	\$1000000 to \$5000000	over \$5000000	Undeter- mined.	TOTAL
Denman	1	—	3	—	—	—	—	—	—	7	11
Dungog	—	1	—	3	1	—	—	—	—	6	11
Gloucester	2	—	1	—	—	—	—	—	—	1	4
Great Lakes	15	2	7	—	2	1	—	—	—	11	38
Merriwa	—	—	1	1	—	—	—	—	—	4	6
Murrurundi	1	—	—	—	1	—	—	—	—	11	13
Muswellbrook	22	10	6	3	1	2	—	—	—	4	48
Scone	6	1	—	1	1	1	—	—	—	17	27
Singleton	12	2	4	2	2	1	—	—	—	24	47
Kiama	24	7	6	4	2	2	—	—	—	4	49
Shellharbour	35	11	13	8	2	2	—	—	—	130	201
Wollongong	469	88	104	23	8	11	1	—	1	249	954
Shoalhaven	5	20	27	7	4	1	—	—	—	87	15
Wingecaribee	28	8	13	4	—	6	—	—	—	27	86
Ballina	11	12	14	1	—	4	—	—	—	15	57
Byron/Mullumbimby	10	5	6	1	—	—	2	—	—	26	50
Casino	10	6	5	—	—	—	—	—	—	12	33
Kyogle	1	3	2	—	—	—	—	—	—	17	23
Lismore	25	9	10	7	3	2	—	1	—	26	83
Richmond River	2	—	1	1	—	—	—	—	—	22	26
Tweed	7	15	13	—	1	1	—	—	—	70	107
Bellingen	15	1	1	—	1	—	—	—	—	2	20
Coffs Harbour	135	24	24	3	—	1	—	—	—	27	214
Copmanhurst	1	—	—	—	—	—	—	—	—	—	1
Grafton	13	9	4	1	—	4	—	1	—	32	64
Macleay	—	—	1	2	—	1	—	—	—	16	20
Nambucca	14	4	5	—	1	—	1	—	—	4	29
Ulmarra	1	—	1	—	—	—	—	—	—	—	2
Hastings	94	24	4	5	—	3	—	—	—	17	157
Kempsey	12	11	8	3	2	2	—	—	—	35	73
Manning	—	—	—	—	—	—	—	—	—	1	1
Taree	14	4	4	—	—	2	—	—	—	48	72
Tamworth	35	17	14	3	—	3	1	—	—	81	154
Barraba	1	1	3	—	—	—	—	—	—	7	12
Bingara	3	—	—	—	—	—	—	—	—	—	3
Gunnedah	9	1	6	3	—	1	—	—	—	11	31
Manilla	—	—	3	4	—	1	—	—	—	3	11
Nundle	1	—	—	—	—	—	—	—	—	1	2
Parry	7	2	—	2	—	—	—	—	—	10	21
Quirindi	6	8	1	1	—	1	—	1	—	5	23
Yallaro	—	—	1	—	—	—	—	—	—	15	16
Inverell	25	12	10	1	1	—	—	—	—	22	71
Armidale	40	2	—	1	—	—	—	—	—	35	78
Dumaresq	6	—	—	—	—	—	—	—	—	2	8
Glen Innes 42	3	7	2	1	—	—	—	—	—	—	29
Guyra	3	—	—	1	—	—	—	—	—	2	6
Severn	1	—	1	—	—	1	—	—	—	1	4
Tenterfield	1	4	5	1	1	—	—	—	—	13	25
Uralla	8	3	2	1	—	—	—	—	—	3	17
Walcha	1	1	2	—	1	1	—	—	—	3	9
Narrabri	8	3	2	1	—	4	—	—	—	33	51

LOCAL GOVERNMENT AREA	\$0 to \$99	\$100 to \$999	\$1000 to \$9999	\$10000 to \$24999	\$25000 to \$49999	\$50000 to \$249999	\$250000 to \$999999	\$1000000 to \$5000000	over \$5000000	Undeter- mined.	TOTAL
Narrabri	8	3	2	1	—	4	—	—	—	33	51
Moree	3	12	10	1	2	5	2	—	—	68	103
Coolah	—	—	—	—	—	—	—	—	—	3	3
Coonabarabran	—	1	3	1	—	2	—	—	—	12	19
Dubbo	82	27	18	—	—	1	—	—	—	58	186
Gilgandra	16	2	1	—	—	1	—	—	—	10	30
Mudgee	8	3	—	1	—	1	—	—	—	14	27
Narromine	1	4	2	—	1	—	—	—	—	8	16
Wellington	4	1	—	—	—	—	—	—	—	19	24
Bogan	—	1	1	—	3	1	—	—	—	7	13
Coonamble	—	1	2	2	2	—	—	—	—	19	26
Walgett	23	2	6	1	1	—	—	—	—	9	42
Warren	10	1	5	1	1	—	—	—	—	2	20
Bourke	45	1	2	2	—	—	1	1	—	19	71
Brewarrina	5	—	—	—	—	1	—	—	—	10	16
Cobar	2	1	1	—	—	—	—	—	—	5	9
Bathurst	42	11	7	2	—	1	—	—	—	3	66
Orange	16	23	13	4	1	2	—	—	—	61	120
Lithgow Greater	42	8	9	4	3	1	—	—	—	31	98
Oberon	5	4	1	—	—	—	—	—	—	2	12
Rylstone	2	2	—	—	—	—	—	—	—	6	10
Bland	11	3	3	2	—	2	—	—	—	—	21
Cowra	9	2	2	2	2	—	—	—	—	16	33
Forbes	7	2	4	2	—	1	—	—	—	24	40
Lachlan	7	4	7	—	1	—	—	—	—	6	25
Parkes	28	13	7	3	2	—	—	—	—	10	63
Cabonne/Molong	26	3	3	—	1	2	—	—	—	8	43
Queanbeyan	12	14	18	2	1	—	—	—	—	48	95
Boorowa	2	—	2	—	—	—	—	—	—	4	8
Crookwell	1	2	2	—	—	—	—	—	—	6	11
Goulburn	35	20	11	1	2	3	—	—	—	28	100
Gunning	—	—	—	—	—	1	—	—	—	1	2
Harden	—	4	—	—	1	1	—	—	—	5	11
Mulwaree	1	—	—	—	—	1	—	—	—	3	5
Tallanganda	—	—	—	—	—	—	—	—	—	4	4
Yarrowlumla	1	—	1	1	—	—	—	—	—	1	4



LOCAL GOVERNMENT AREA	\$0 to \$99	\$100 to \$999	\$1000 to \$9999	\$10000 to \$24999	\$25000 to \$49999	\$50000 to \$249999	\$250000 to \$999999	\$1000000 to \$5000000	over \$5000000	Undeter- mined.	TOTAL
Yass	8	—	2	1	—	—	—	—	—	23	34
Young	10	3	2	—	1	1	—	—	—	13	30
Eurobodalla	3	4	7	2	1	—	—	1	—	18	36
Bega Valley	7	6	6	1	—	—	—	—	—	12	32
Bombala	2	—	—	—	—	—	—	—	—	2	4
Snowy River	—	3	1	1	—	—	—	—	—	5	10
Cooma-Monaro	6	2	3	1	—	—	—	—	—	8	20
Wagga Wagga	29	22	19	5	1	1	—	—	—	86	163
Coolamon	—	—	1	—	—	—	—	—	—	4	5
Cootamundra	—	1	4	—	—	—	—	—	—	14	19
Gundagai	—	2	—	1	1	—	1	—	—	8	13
Junee	3	4	1	—	—	1	—	—	—	20	29
Lockhart	2	2	—	—	—	—	—	—	—	3	7
Narrandera	9	—	1	1	—	—	—	—	—	12	23
Temora	—	—	1	2	1	—	—	—	45	49	
Tumut	3	4	4	1	—	—	—	—	—	23	35
Carrathool	5	—	—	—	—	—	—	—	—	2	7
Hay	1	—	2	—	—	1	—	—	—	17	21
Leeton	19	5	6	1	3	1	—	—	—	4	39
Griffith	67	8	—	3	—	1	—	—	—	19	105
Albury	1	20	23	6	—	4	—	1	—	42	157
Hume	—	1	3	—	—	—	—	—	—	4	8
Corowa	8	4	7	2	—	—	—	—	—	8	29
Culcairn	—	1	2	1	—	—	—	—	—	12	16
Holbrook	—	—	—	—	—	—	—	—	—	2	2
Tumbarumba	—	1	—	—	—	—	—	—	—	—	1
Berrigan	6	2	1	—	1	3	—	—	—	22	35
Deniliquin	20	4	3	—	2	2	—	—	—	12	43
Jerilderie	1	—	—	—	—	—	1	—	—	4	6
Murray	6	—	1	1	1	—	—	—	—	13	22
Wakool	—	—	—	1	—	1	—	—	—	7	9
Balranald	—	—	2	—	1	—	—	—	—	4	7
Wentworth	7	2	—	—	—	—	—	—	—	2	1
Broken Hill	49	11	22	5	3	3	—	—	—	26	119
	11062	2862	3174	818	279	286	45	12	3	6452	24993

## Table 11

# ***N.S.W. Government Program Evaluation***

The Board continued with the evaluation of its programs and progress reports on each are given below:

### **Programs in 1989**

#### **Program 1: Standard of Fire Cover**

The Planning and Management Review Division (comprised of professional and operational staff) has continued the review of station location and weight-of-attack (where weight-of-attack consists of combat strength and response time).

The Division has completed a "Strategic Plan" using existing response criteria to provide a more efficient and effective utilisation of the Board's current resources (stations, appliances and crews) as these resources are deployed at 17 locations in the Greater Sydney Area (GSA), where the G.S.A. consists of the Sydney Fire District and Outer Sydney Fire District, this plan is currently under consideration by senior executive staff of the Board.

The Division is now engaged in developing "Stage II Strategic Plan" which includes hazard categorisation, assessments of Brigade performance, appropriate and acceptable response times and weight-of-attack requirements. The Stage II document will provide options for reallocation of all existing resources throughout the G.S.A. to reflect response times and combat strength conforming to the newly developed criteria. Assistance in the development has been obtained from the Australian Bureau of Statistics, Metroscan (the research arm of Jones, Lang and Wootton), Camerotics and Professors Tremayne and Garner of the Universities of Sydney and New South Wales.

These strategic studies will allow, within the coming year, the development of the components of the standard of fire cover which include:

- (a) residential, commercial and industrial occupancies,
- (b) population size, composition and characteristics,
- (c) geographical considerations for fire station District boundaries for effective administration, and
- (d) independent assessment of the Division's work in these areas by professors from the Universities of Sydney and New South Wales.

The Division also produced during the year a report on the "Balance of Fire Service" i.e. the relationship between fire-fighting and fire prevention. This preliminary report revealed that a more intensive study in this area needs to be conducted. The Division is required to report to the Corporate Executive Group of the Board on this matter during 1990.

#### **Program 2: Reduction of Response Time**

Effective standards of fire suppression require (1) the reduction of response time and (2) reduction of false alarms generated by automatic fire alarms (A.F.A.s).

To date the following changes to the Brigade's computerised communication network have been completed;

- (a) Modifications to the computer reducing command time requirements
- (b) Upgrading of street directories and map references to allow greater control of Brigade response to specific locations by central control at Alexandria.
- (c) Response procedures to repeated A.F.A.s have been altered to allow attendance by one Brigade thus freeing other Brigades to be available for response to genuine calls.
- (d) Receipt at Control of "000" calls now allows such calls to be placed at the head of the fire-call queue in the computer (in busy periods).

- (e) Bush Fire Brigade (BFB) fire control centres telephone numbers are now accessed from the Alexandria Control brigade display buffer rather than contacting particular B.F.B.s for response.

It is proposed to introduce a direct centralised notification (D.C.N.) system for Sydney. This D.C.N. system will reduce the transmission time for printed time-out messages from the present 30 seconds to 10 seconds. Other possible improvements of a more general nature are:

- (a) D.C.N. in country areas.
- (b) Centralised "000" and calling-line identification (caller identified by telephone number display).
- (c) Improvements in communication centres i.e. computer-aided dispatch (CAD), operator keyboard skills, and general procedures.
- (d) Upgraded alarm system i.e. fully automatic and not visually monitored, automatic generation of turn-out message in all areas.
- (e) Improvement in paging systems.

### **Program 3: Reduction of False Alarms**

The Fire Brigades Act has been amended to provide for the Board to impose charges for certain services. The Act provides for Regulations to be made to prescribe for the service and the fee. Areas identified where fee charges might be made include Brigades responding to excessive false alarms.

The following arrangements were put in place:

- (a) educational video prepared to instruct alarm maintenance and a copy of the video supplied to all maintenance companies.
- (b) A computer program has been developed to monitor the number of false alarms within a rolling 60-day period.
- (c) The owners of premises which have fire alarms attached have been identified, booklets have been printed for notification to owners of false alarms received.

Present action includes loading of 60 day period information on to computer. From 1/1/90 this information will be used to generate reports which will be used to initially test the procedures prior to commencement of actions to recover costs. A fee of \$200.00 may then be charged for each false alarm attended in excess of two in any 60 day period.

### **Future Program Evaluations**

The 1988/89 program evaluations have been completed and work is progressing on 1989/90 program. The following table details proposed evaluations.

Year 1  
1989/90

Year 2  
1990/1

Year 3  
1991/92

Year 4  
1992/93

Year 5  
1993/94

1 Reduction false  
alarms –  
Phase II

1 Implement staffing  
classification  
requirements implied  
by standard of fire  
cover – Phase I

1. Implement staffing  
classification  
requirements –  
Phase II

1 Implement staffing  
classification  
requirements –  
Phase III

1. Implement full  
performance  
appraisal of  
Brigades

2 Reduction of  
response times –  
Phase II

2 Implement fire  
station location/  
relocation standard  
of fire cover –  
Phase 1.

2 Implement fire  
station location/  
relocation –  
Phase II

2 Implement fire  
station location/  
relocation –  
Phase III

3. Development and  
Revision of  
Standard of Fire  
Cover

3 Initiate performance  
appraisal

3. Performance  
appraisal –  
Phase I

3 Performance  
appraisal –  
Phase II

4. Balance of Fire  
Service Report

**Table 12**

# ***Fixed Property use by Number of Fatalities for Structure Fires 1987 – 1989***

FIXED PROPERTY USE	1987	Year 1988	1989
PUBLIC ASSEMBLY PROPERTY			
Billiard centre	1	—	—
INSTITUTIONAL PROPERTY			
Care of the aged with nursing staff	1	—	—
Care of the aged without nursing staff	—	—	1
Hospital, Hospital – type infirmary	—	—	1
RESIDENTIAL PROPERTY			
One family dwelling: year round use	23	27	17
One family dwelling: seasonal use	1	—	—
Two family dwelling: year round use	2	—	2
One or two living units with business	1	—	—
Three to six units	1	1	2
Seven to 20 units	—	1	—
Over 20 units (flats, apartments)	—	—	1
Three to eight roomers or boarders	—	—	2
20 to 99 units: year round use (hotels, motels)	—	—	2
Less than 20 units: seasonal use Hotels, motels)	—	3	1
Hotels, motels, inns, lodges not classified	—	—	7
SHOP / STORE, OFFICE PROPERTY			
General business office	1	—	—
MANUFACTURING PROPERTY			
Wearing apparel manufacturer	—	—	1
STORAGE PROPERTY			
Tool shed	1	—	—
Residential parking garage	2	1	—
Storage property insufficient information	—	—	2
SPECIAL PROPERTY			
Building under construction	1	—	—
Outbuilding	—	1	—
Special structures not classified	—	—	1
FIXED PROPERTY USE UNDETERMINED	—	—	3
TOTAL	<u>35</u>	<u>34</u>	<u>43</u>

**Table 13*****Fixed Property Use by Number of Injuries  
for Structure Fires 1987 - 1989***

FIXED PROPERTY USE	1987	Year 1988	1989
PUBLIC ASSEMBLY PROPERTY			
Ballroom, gymnasium	1	—	—
Court-room	—	1	—
Nightclub	1	—	—
EDUCATIONAL PROPERTY			
Primary school	—	—	1
High school	4	—	—
INSTITUTIONAL PROPERTY			
Care of aged with nursing staff	5	1	6
Care of aged without nursing staff	—	—	1
Hospital, hospital-type infirmary	2	—	1
Care of sick not classified above	—	1	—
Prison cell, block cell for men	5	—	8
Police station	—	—	1
Institution for physical rehabilitation	6	17	—
Mental institution	3	1	—
Institution for mentally retarded	—	1	1
RESIDENTIAL PROPERTY			
Residential property not classified above	—	1	—
One/two family dwelling insufficient info.	—	2	1
One family dwelling year round	156	143	168
One family dwelling seasonal use	1	—	1
Two family dwelling year round	—	2	1
Apartments, flats insufficient information	1	—	—
One/two living units with business	—	2	1
Three to six units	10	13	8
Seven to 20 units	20	12	26
Over 20 units	9	19	15
Rooming, Boarding insufficient information	—	2	—
Three to eight roomers	1	—	2
Hotels, motels insufficient information	—	—	4
Less than 20 units year round	2	—	2
20-99 units year round	—	—	6
Less than 20 units seasonal use	1	—	3
20-99 units year round	—	2	—
100 or more units year round	—	1	—
Less than 20 units year round	1	—	—
Hotels, motels not classified	—	—	14
SHOP / STORE, OFFICE PROPERTY			
Supermarket	5	2	1
Specialty food store	—	—	2
Gift shop	—	—	1
Clothing store	1	—	—
Appliance store	2	—	—
Laundries drycleaners pickup	—	—	1
Retail lumber sales	2	—	—



		Year	
FIXED PROPERTY USE	1987	1988	1989
SHOP / STORE, OFFICE PROPERTY			
Fireworks sale	1	—	—
Public service station	1	—	—
Motor vehicle repair shop	4	1	2
Motor vehicle accessories sale	1	—	—
Mall	—	—	1
General business office	7	1	2
BASIC INDUSTRY, UTILITY, DEFENCE PROPERTY			
Chemical, medical laboratory	2	—	—
Physical materials testing lab	2	—	—
Telephone exchange, central office	—	2	—
Computer, data processing centre	—	1	—
Structural clay product manufacture	—	—	1
Glass container manufacture	—	—	2
MANUFACTURING PROPERTY			
Bakery product manufacture	—	2	—
Snack foods manufacture	—	1	—
Manufacture of grain food products	—	—	2
Food industries not classified	—	—	1
Floor covering, coated fabric	1	—	—
Furniture, fixture, bedding manufacture	1	1	4
Hazardous chemical manufacture	1	6	—
Paint, varnish, lacquer, ink, wax	—	2	7
Iron, steel manufacture	1	—	1
Non-ferrous metal manufacture	3	5	—
Metal product manufacture	15	3	2
Machinery manufacture	2	2	1
Boat building, repairing vessals	—	1	—
Motor vehicle manufacture	—	2	—
Other manufacturing insufficient info.	—	4	—
Toy, sporting good manufacture	—	1	—
Electural equipment manufacture	—	—	4
Laundry, drycleaning plant	—	—	1
STORAGE PROPERTY			
Agricultural product storage	—	—	7
Drug, cosmetic pharmaceutical	—	—	1
Hazardous chemicalstorage	1	—	—
Machinery storage	—	1	—
Residential parking garage	8	9	4
General vehicla parking garage	2	—	—
Vehicle storage not classified above	—	1	—
General warehouse	1	—	—
General item storage	—	—	2
Freight terminal	—	—	1
Tool shed	—	—	2
Storage property not classified	—	—	1
Storage property insufficient information	—	—	4
SPECIAL PROPERTY			
Idle property	1	—	—
Outbuilding	—	1	—
Alogside quay pier, pilings	1	—	—
Special structures not classified	—	—	9
TOTAL	295	271	347

**Table 14****Comparison of Incidents -  
Years 1987 to 1989**

TYPE OF INCIDENT	1987	1988	1989
FIRE, EXPLOSION			
Structure fire	5857	5970	6303
Outside of a structure fire	630	859	817
Vehicle fire	3504	3268	3232
Trees,bush,grass fire	9044	9267	9850
Rubbish fire	4622	4610	4592
Explosion,with no after fire	25	39	44
Outside spill,leak with ensuing fire	71	95	89
Fire,Explosion not classified above	105	62	39
Fire,Explosion insufficient information	14	25	27
	<u>23872</u>	<u>24195</u>	<u>24993</u>
Overpressure rupture (no combustion)	95	85	112
Rescue call	2063	2649	3068
Hazardous condition or standby	5755	6645	7992
Service / salvage call	1239	1296	1583
Good intent call	4042	4475	4539
False call	14983	16316	17034
System malfunction	10611	12740	12902
Other types of incidents	195	263	87
TOTALS	<u>62855</u>	<u>68664</u>	<u>72310</u>

**Table 15****Summary - Brigades, Reported Response, Strength**

STATION NO. BRIGADE	REPORTED RESPONSES		TOTAL
	Fires	Other	
DISTRICT			
A District	1342	8775	10117
B District	2296	8047	10343
C District	3254	5449	8703
D District	2222	6714	8936
E District	1826	5673	7499
G District	6254	9218	15472
<b>TOTAL OF 74 SYDNEY STATIONS</b>	<b>17194</b>	<b>43876</b>	<b>61070</b>
ZONE			
Outer Sydney	2950	2795	5745
Zone 1	955	2065	3020
Zone 2	1484	1553	3037
Zone 3	653	1217	1870
Zone 4	642	686	1328
Zone 5	710	978	1688
Zone 6	577	573	1150
Zone 7	773	1370	2143
Zone 8	1927	3373	5300
Zone 9	705	921	1626
Newcastle	3928	5632	9560
<b>TOTAL OF 249 STATIONS</b>	<b>15304</b>	<b>21163</b>	<b>36467</b>
<b>TOTAL SPECIAL DUTIES</b>	<b>533</b>	<b>35</b>	<b>568</b>
<b>TOTAL</b>	<b>33031</b>	<b>65074</b>	<b>98105</b>

**Table 16*****Brigades, Reported Response, Strength***

STATION NO. BRIGADE	REPORTED RESPONSES		
	Fires	Other	TOTAL
'A' District			
1 Headquarters	434	3424	3858
3 The Rocks	101	1405	1506
4 Darlinghurst	213	1292	1505
11 Woollahra	197	845	1042
12 Balmain	80	238	318
18 Glebe	110	624	734
38 Pyrmont	66	519	585
76 Bondi	129	423	552
780 District A – D.O.	12	5	17
TOTAL	1342	8775	10117

STATION NO. BRIGADE		REPORTED RESPONSES		TOTAL
		Fires	Other	
'B'' District				
6	Mona Vale	113	247	360
24	Manly	195	509	704
25	Mosman	96	363	459
36	Crows Nest	259	1531	1790
37	Gordon	165	569	734
40	Willoughby	178	788	966
50	Hornsby	223	527	750
51	Forestville	141	285	426
53	Neutral Bay	168	922	1090
60	Avalon	79	121	200
61	Lane Cove	168	1118	1286
68	Narrabeen	152	296	448
69	Dee Why	235	550	785
75	Berowa	59	201	260
781	District B – D.O.	65	20	85
TOTAL		2296	8047	10343

STATION NO. BRIGADE		REPORTED RESPONSES		TOTAL
		Fires	Other	
'C' District				
20	Hurstville	169	378	547
21	Kogarah	305	552	857
29	Rockdale	212	424	636
33	Engadine	116	157	273
34	Riverwood	209	318	527
45	Miranda	252	402	654
46	Sutherland	225	313	538
47	Revesby	302	646	948
48	Mortdale	112	135	247
52	Campsie	281	456	737
54	Cronulla	132	226	358
62	Bankstown	386	781	1167
64	Lakemba	318	558	876
90	Menai	101	71	172
782	District C – D.O.	134	32	166
TOTAL		3254	5449	8703

STATION NO. BRIGADE		REPORTED RESPONSES		TOTAL
		Fires	Other	
'D' District				
7	Stanmore	295	750	1045
14	Ashfield	197	562	759
15	Burwood	211	790	1001
16	Concord	97	521	618
17	Drummoyne	100	302	402
22	Leichhardt	151	414	565
23	Gladesville	116	530	646
28	Marrickville	281	556	837
30	Lidcombe	192	412	604
42	Ryde	175	754	929
58	Beecroft	149	432	581
59	Astwood	166	528	694
66	Rhodes	21	141	162
783	District D – D.O.	71	22	93
TOTAL		2222	6714	8936

STATION NO. BRIGADE		REPORTED RESPONSES		
		Fires	Other	TOTAL
'E' District				
5	Newtown	217	555	772
9	B.A. Section	91	119	210
10	Redfern	269	919	1188
13	Alexandria	343	1137	1480
26	Mascot	148	622	770
35	Botany	136	553	689
39	Randwick	200	768	968
56	Matraville	178	449	627
70	Maroubra	232	549	781
784	District E – D.O.	12	2	14
TOTAL		1826	5673	7499

# Brigades, Reported Response, Strength

STATION NO.	BRIGADE	REPORTED RESPONSES		
		Fires	Other	TOTAL
'G' District				
8	Liverpool	617	667	1284
19	Silverwater	153	405	558
27	Parramatta	469	1107	1576
31	Busby	483	463	946
32	Mount Druitt	711	537	1248
41	Smithfield	265	411	676
44	Auburn	227	478	705
49	Cabramatta	543	523	1066
55	Guildford	357	666	1023
57	Wentworthville	167	492	659
63	Blacktown	628	639	1267
65	Rydalmere	169	448	617
67	Northmead	215	622	837
71	Castle Hill	193	348	541
72	Merrylands	205	249	454
73	Fairfield	372	613	985
74	Toongabbie	299	509	808
785	District G – D.O.	181	41	222
TOTAL		6254	9218	15472
TOTAL SYDNEY FIRE DISTRICT		17194	43876	61070

STATION NO. BRIGADE		REPORTED RESPONSES		TOTAL
		Fires	Other	
Outer Sydney				
77	St. Marys	327	400	727
78	Dunheved	312	258	570
79	Ingleburn	370	392	762
81	Windsor	106	121	227
82	Richmond	85	147	232
83	Riverstone	105	64	169
84	Macquarie Fields	360	275	635
86	Penrith	482	555	1037
88	Campbelltown	803	583	1386
TOTAL		2950	2795	5745



# REPORTED RESPONSES

STATION NO. BRIGADE	Fires	Other	TOTAL
Zone 1			
216 Bathurst	66	174	240
226 Blackheath	21	52	73
227 Blayney	14	21	35
248 Camden	73	141	214
250 Canowindra	10	16	26
301 Glenbrook	104	114	218
342 Kandos	9	10	19
343 Katoomba	83	246	329
359 Lawson	36	74	110
361 Leura	45	193	238
363 Lithgow	69	137	206
364 Littleton	37	74	111
386 Mt. Victoria	14	58	72
411 Oberon	12	15	27
412 Orange	122	270	392
421 Picton	29	65	94
423 Portland	11	14	25
445 Springwood	121	158	279
483 Wallerawang	11	11	22
489 Warragamba	30	52	82
495 Wentworth Falls	31	154	185
751 Zone 1 – Inspector	7	16	23
TOTAL	955	2065	3020

STATION NO. BRIGADE		REPORTED RESPONSES		TOTAL
		Fires	Other	
Zone 2				
202	Abermain	60	16	76
208	Aberdeen	15	15	30
220	Bellbird	54	60	114
237	Branxton Greta	17	27	44
254	Cessnock	221	140	361
282	Dungog	11	17	28
283	Denman	10	13	23
295	Forster	38	49	87
344	Kearsley	62	35	97
349	Kurri Kurri	126	98	224
373	East Maitland	141	138	279
374	Maitland	139	225	364
382	Morpeth	118	106	224
392	Muswellbrook	48	62	110
402	Nelson Bay	33	66	99
418	Paxton	18	2	20
432	Raymond Terrace	74	68	142
443	Scone	14	26	40
444	Singleton	48	148	196
455	Telerah	100	163	263
471	Tea Gardens	17	25	42
497	Weston	112	49	161
752	Zone 2 – Inspector	8	5	13
TOTAL		1484	1553	3037

STATION NO. BRIGADE		REPORTED RESPONSES		TOTAL
		Fires	Other	
Zone 3				
204	Alstonville	10	8	18
211	Ballina	51	112	163
213	Bangalow	5	7	12
240	Brunswick Heads	11	17	28
243	Byron Bay	29	22	51
253	Casino	32	24	56
267	Coraki	4	5	9
288	Evans Head	23	8	31
302	Glenn Innes	46	69	115
306	Grafton	34	51	85
307	South Grafton	40	43	83
316	Goonellabah	41	109	150
347	Kingscliffe	16	48	64
350	Kyogle	22	9	31
362	Lismore	62	173	235
372	Maclean	6	15	21
388	Mullumbimby	7	9	16
391	Murwillumbah	24	93	117
457	Tenterfield	25	24	49
468	Tweed Heads	68	187	255
510	Yamba	15	3	18
514	Tweed River	65	175	240
753	Zone 3 – Inspector	17	6	23
TOTAL		653	1217	1870

STATION NO. BRIGADE		REPORTED RESPONSES		TOTAL
		Fires	Other	
Zone 4				
215	Barraba	10	4	14
225	Bingara	3	1	4
229	Boggrabi	4	21	25
261	Coolah	3	4	7
264	Coonabarabran	19	22	41
265	Coonamble	25	11	36
314	Gunnedah	31	36	67
331	Inverell	71	74	145
367	Lightening Ridge	7	3	10
375	Manilla	12	5	17
381	Moree	105	76	181
390	Murrurundi	11	23	34
393	Merriwa	6	8	14
399	Narrabri	33	14	47
429	Quirindi	8	13	21
452	Tamworth	146	236	382
482	Walgett	35	21	56
487	Warialda	16	2	18
496	Werris Creek	10	4	14
506	Weem Waa	11	2	13
508	West Tamworth	75	104	179
754	Zone 4 – Inspector	1	2	3
TOTAL		642	686	1328

STATION NO. OF BRIGADE		REPORTED RESPONSES		TOTAL
		Fires	Other	
Zone 5				
233	Bourke	69	36	105
244	Brewarrina	15	13	28
256	Cobar	9	5	14
259	Condobolin	21	28	49
270	Cowra	33	60	93
280	Dubbo	143	311	454
284	Delroy	102	193	295
294	Forbes	40	13	53
300	Gilgandra	30	17	47
308	Grenfell	16	5	21
312	Gulgong	4	31	35
380	Molong	17	18	35
387	Mudgee	25	27	52
401	Narromine	9	19	28
406	Nyngan	13	9	22
417	Parkes	54	105	159
419	Peak Hill	10	7	17
465	Trangie	7	3	10
491	Warren	19	17	36
493	Wellington	24	28	52
499	West Wyalong	20	10	30
513	Young	30	18	48
755	Zone 5 – Inspector	—	5	5
TOTAL		710	978	1688

STATION NO. BRIGADE		REPORTED RESPONSES		TOTAL
		Fires	Other	
Zone 6				
212	Balranald	7	7	14
214	Barham	9	5	14
223	Berrigan	4	6	10
238	Broken Hill	115	171	286
239	Broken Hill South	46	99	145
268	Corowa	21	7	28
278	Deniliquin	45	40	85
293	Finley	14	14	28
311	Griffith	100	87	187
321	Hay	21	6	27
323	Hillston	7	11	18
336	Jerilderie	6	8	14
355	Lake Cargelligo	4	3	7
360	Leeton	40	35	75
365	Lockhardt	2	2	4
379	Moama	20	6	26
394	Mulawa	8	3	11
400	Narrandera	23	26	49
456	Temora	47	17	64
463	Tocumwal	18	4	22
494	Wentworth	12	14	26
512	Yenda	5	—	5
756	Zone 6 — Inspector	3	2	5
TOTAL		577	573	1150

STATION NO. BRIGADE		REPORTED RESPONSES		TOTAL
		Fires	Other	
Zone 7				
203	Albury Central	108	189	297
206	Albury North	59	99	158
209	Albury Civic	81	140	221
218	Batlow	5	6	11
230	Bombala	4	5	9
232	Boorawa	8	6	14
262	Coolamon	5	9	14
263	Cooma	19	76	95
266	Cootamundra	19	23	42
272	Culcairn	11	6	17
313	Gundagai	13	21	34
322	Henty	6	3	9
324	Holbrook	2	12	14
337	Junee	29	17	46
338	Jindabyne	7	11	18
389	Harden	11	18	29
426	Perisher Valley	1	43	44
428	Queanbeyan	101	184	285
451	Thredbo	4	8	12
467	Tumut	30	41	71
472	Turvey Park	123	232	355
480	Wagga Wagga	88	181	269
511	Yass	34	39	73
757	Zone 7 – Inspector	5	1	6
TOTAL		773	1370	2143

STATION NO. BRIGADE	REPORTED RESPONSES		TOTAL
	Fires	Other	
Zone 8			
80 Bundeena	7	18	25
207 Albion Park Rail	127	129	256
210 Balgownie	79	194	273
217 Batemans Bay	25	36	61
219 Bega	10	12	22
224 Berry	6	10	16
234 Bowral	28	54	82
236 Braidwood	4	8	12
241 Bulli	96	170	266
242 Bundanoon	11	6	17
258 Coledale	15	15	30
269 Corrimal	118	147	265
271 Crookwell	10	25	35
277 Dapto	152	169	321
286 Eden	14	16	30
305 Goulburn	105	262	367
325 Helensburg	44	35	79
346 Kiama	50	72	122
378 Mittagong	28	45	73
384 Moruya	8	16	24
385 Moss Vale	25	43	68
395 Merimbula	8	15	23
398 Narooma	4	24	28
405 Nowra	124	134	258
422 Port Kembla	204	449	653
442 Scarborough	23	18	41
461 Thirroul	37	30	67
474 Unanderra	138	204	342
477 Ulladulla	19	10	29
488 Warilla	105	146	251
503 Wollongong	303	861	1164
<b>TOTAL</b>	<b>1927</b>	<b>3373</b>	<b>5300</b>

STATION NO. BRIGADE	REPORTED RESPONSES		TOTAL
	Fires	Other	
Zone 9			
205 Armidale	87	101	188
221 Bellingen	5	6	11
235 Bowraville	2	3	5
257 Coffs Harbour	119	189	308
279 Dorrigo	4	4	8
303 Gloucester	4	1	5
315 Guyra	7	9	16
345 Kempsey	64	80	144
358 Laurieton	20	31	51
371 Macksville	8	14	22
397 Nambucca Heads	22	12	34
424 Port Macquarie	94	181	275
441 Sawtell	35	25	60
449 South West Rocks	12	8	20
453 Taree	54	113	167
475 Uralla	16	14	30
476 Urunga	13	15	28
481 Walcha	10	3	13
492 Wauchope	46	49	95
502 Wingham	20	22	42
507 Woolgoolga	61	41	102
759 Zone 9 - Inspector	2	—	2
<b>TOTAL</b>	<b>705</b>	<b>921</b>	<b>1626</b>



STATION NO. BRIGADE	REPORTED RESPONSES		TOTAL
	Fires	Other	
Newcastle			
222 Belmont	158	134	292
231 Boolaroo	86	92	178
245 Budgewoi	59	107	166
251 Cardiff	222	146	368
252 Carrington	24	99	123
255 Charlestown	242	212	454
260 Cooks Hill (N'castle)	237	597	834
287 Ettalong	131	133	264
304 Gosford	241	410	651
320 Hamilton	146	452	598
351 Killarney Vale	110	112	222
357 Lambton	92	106	198
376 Merewether	45	100	145
383 Morisset	86	132	218
404 New Lambton	82	115	197
446 Stockton	16	151	167
447 Swansea	74	64	138
450 Saratoga	126	59	185
454 Tarro	91	113	204
458 Teralba	88	73	161
459 Terrigal	81	118	199
460 The Entrance	110	97	207
462 Tighes Hill	99	356	455
464 Toronto	169	158	327
470 Toukley	91	126	217
484 Wallsend	167	164	331
485 Wangi Wangi	70	83	153
486 Waratah	178	422	600
498 West Wallsend	68	52	120
500 Windale	197	156	353
504 Woy Woy	92	141	233
505 Wyong	52	109	161
509 Wyoming	190	242	432
760 Zone Nwc - Inspector	8	—	8
803 Control - Newcastle	—	1	1
<b>TOTAL</b>	<b>3928</b>	<b>5632</b>	<b>9560</b>
<b>TOTAL COUNTRY AND OUTER METROPOLITAN</b>	<b>15304</b>	<b>21163</b>	<b>36467</b>

## **Table 17**

# **List of Telephone Numbers and Postal Addresses**

### **Administration**

Level 11  
219 Elizabeth Street  
SYDNEY NSW 2000  
(P.O. Box A249)  
SYDNEY SOUTH NSW 2000  
Telephone: (02) 265 2999  
Telex: AA 72925  
Facsimile: (02) 264 1952  
Business Hours: 9.00am to 5.00pm

### **Fire Prevention Department**

Level 8  
Telephone: (02) 265 2999  
Business Hours: 9.00am to 4.30pm (Monday to Thursday)  
9.00am to 4.00pm (Friday)

### **Staff Training and Development**

189 Wyndham Street  
ALEXANDRIA NSW 2015  
Telephone: (02) 698 7111  
Fax: (02) 318 1184  
Business Hours: 7.30am to 4.00pm

### **Control**

189 Wyndham Street  
ALEXANDRIA NSW 2015  
Telephone: (02) 699 7000  
(02) 699 7027  
Fax: (02) 699 2084

### **Fire Investigation Unit**

11 (rear) Spencer Street  
FIVE DOCK NSW 2046  
Telephone: (02) 745 3359  
Fax: (02) 744 9726  
Business Hours: 8.30am to 4.00pm

### **Media Liaison Officer**

Telephone: (02) 745 3359  
24 hour service

### **Breathing Apparatus/Hazmat**

7B Allen Street  
WATERLOO NSW 2017  
Telephone: (02) 318 1773

### **Supply and Maintenance**

Amarina Avenue  
CHULLORA NSW 2190  
Telephone: (02) 642 0451  
Fax: (02) 642 2194

### **Bush Fire Section**

11 Spencer Street  
FIVE DOCK NSW 2046  
Telephone: (02) 744 2798  
Fax: (02) 744 8718  
Business Hours: 7.00am to 4.00pm

### **Public Relations Section**

219-227 Elizabeth Street  
SYDNEY NSW 2000  
Telephone: (02) 265 2903 (Manager)  
(02) 265 2905 (Section)  
Fax: (02) 264 1952  
Business Hours: 9.00am to 5.00pm

### **Public Education Section**

Telephone: (02) 318 1666  
(02) 698 7111  
Fax: (02) 698 1261  
Business Hours: 7.30am to 4.00pm

### **Library**

Telephone: (02) 265 2830  
(02) 265 2829

# Country Zone Inspectors

## Zone 1

Inspector  
Fire Station  
17 Park Street  
KATOOMBA NSW 2780  
Telephone: (047) 82 2568  
Fax: (047) 82 24 76

## Zone 2

Inspector  
Fire Station  
14 Church Street  
MAITLAND NSW 2320  
Telephone: (049) 33 6197  
Fax: (049) 33 1501

## Zone 3

Inspector  
P.O. Box 752  
LISMORE NSW 2480  
Telephone: (066) 66 5598  
Fax: (066) 21 7363

## Zone 4

Inspector  
P.O. Box 1010  
TAMWORTH NSW 2340  
Telephone: (067) 665598  
Fax: (067) 66 7629

## Zone 5

Inspector  
Dubbo Fire Station  
116 Darling Street  
DUBBO NSW 2830  
Telephone: (068) 82 9689  
Fax: (068) 82 0856

## Zone 6

Inspector  
P.O. Box 495  
LEETON NSW 2705  
Telephone: (069) 53 3410  
Fax: (069) 53 3356

## Zone 7

Inspector  
Fire Station  
Fernleigh Road & Bluett Crescent  
WAGGA WAGGA NSW 2650  
Telephone: (069) 25 4144  
Fax: (069) 25 23 24

## Zone 8

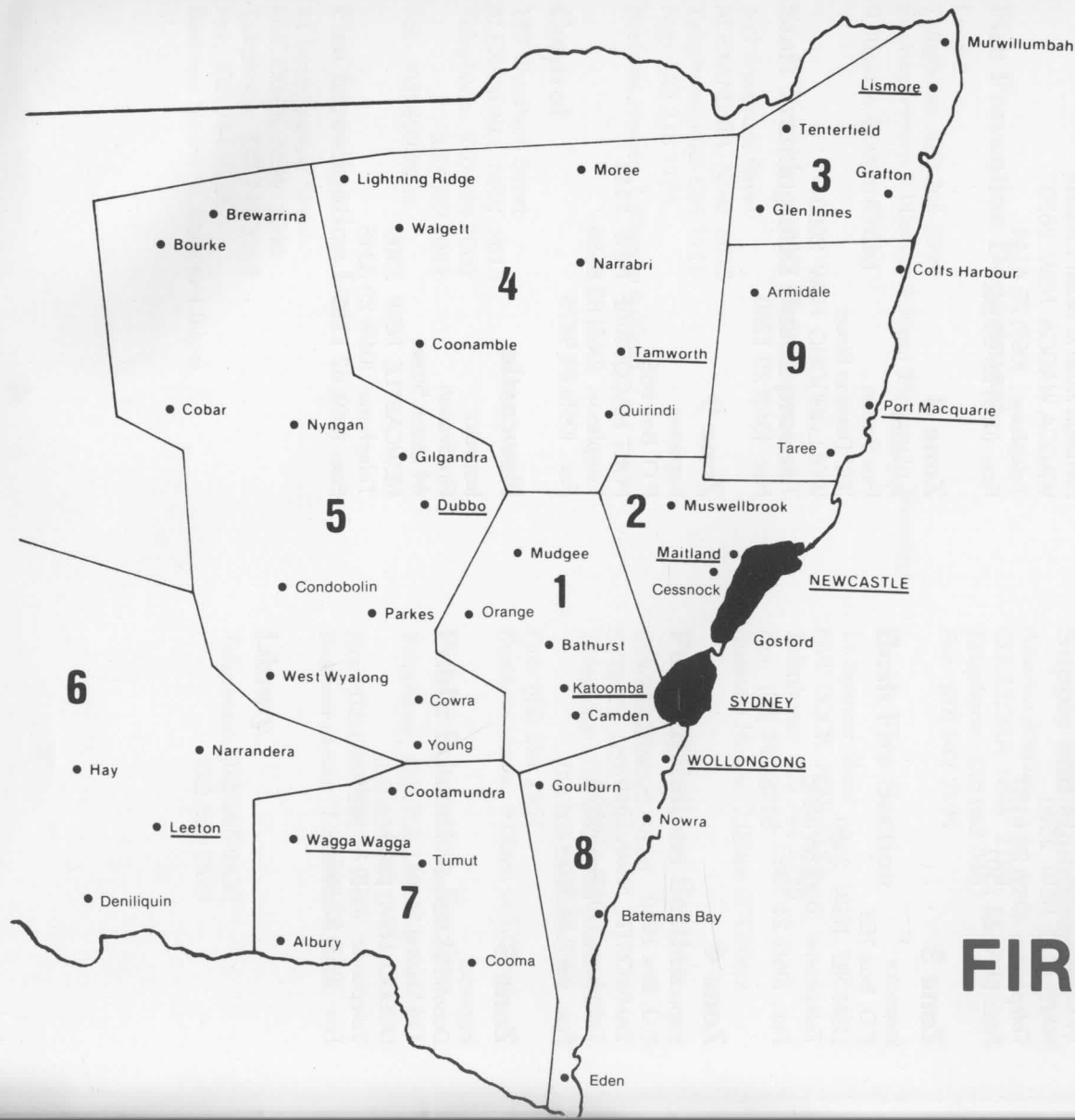
Inspector  
Fire Station  
322 Denison Street  
WOLLONGONG NSW 2500  
Telephone: (042) 29 1305  
Fax: (042) 29 1260

## Zone 9

Inspector  
P.O. Box 668  
PORT MACQUARIE NSW 2444  
Telephone: (065) 83 8588  
Fax: (065) 84 9878

## Newcastle

Inspector  
Fire Station  
44 Union Street  
NEWCASTLE NSW 2300  
Telephone: (049) 29 3345  
Fax: (049) 62 1185



NSW Zones and Fire Districts  
 Sydney Fire District  
 Newcastle Fire District  
 Zones

1. Katoomba
2. East Maitland
3. Lismore
4. Tamworth
5. Dubbo
6. Leeton
7. Wagga Wagga
8. Wollongong
9. Port Macquarie

# NEW SOUTH WALES FIRE DISTRICTS

