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Annual Conference**



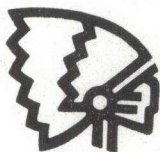
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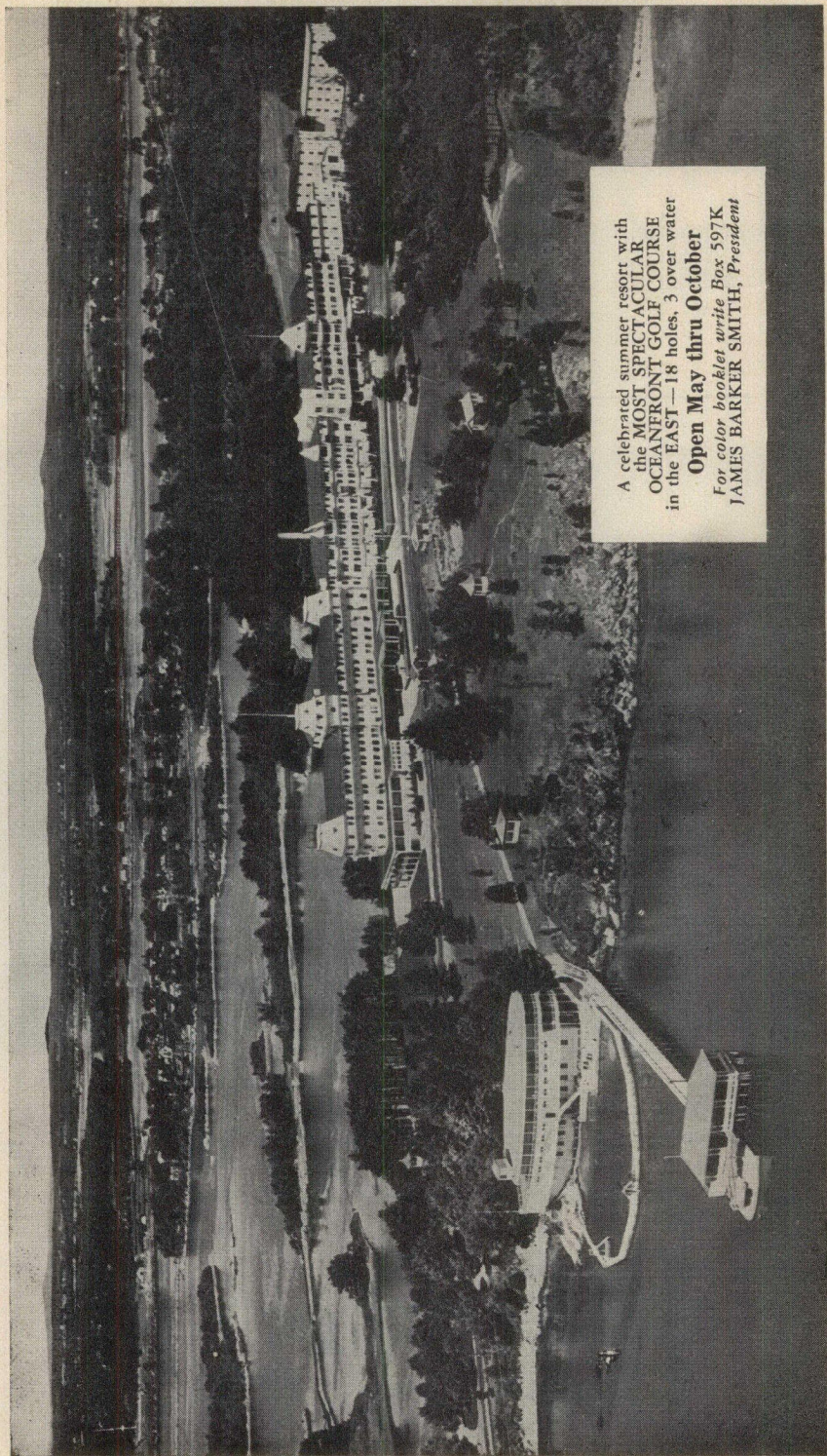
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*of*

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*Annual Conference*

June 27 - July 1, 1976

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**1977 CONFERENCE — June 19-23 — DUNFEY'S, HYANNIS**

**1978 CONFERENCE — June 25-29 — WENTWORTH BY THE SEA**

## Places and Dates of Past Conventions

- No. 1—BRIDGEPORT, Conn., June 20-21-22, 1923  
PRES. CHIEF JOHN P. DOYLE, Wellesley, Mass.
- No. 2—BOSTON, Mass., June 24-25-26, 1924  
PRES. JOHN C. MORAN, Hartford, Conn.
- No. 3—PITTSFIELD, Mass., June 23-24-25, 1925  
PRES. PATRICK J. HURLEY, Holyoke, Mass.
- No. 4—MANCHESTER, N. H., June 22-23-24, 1926  
PRES. DANIEL E. JOHNSON, Bridgeport, Conn.
- No. 5—PORTLAND, Maine, June 21-22-23, 1927  
PRES. CHARLES H. FRENCH, Manchester, N. H.
- No. 6—BURLINGTON, Vermont, June 26-27-28-29, 1928  
PRES. WILLIAM C. SHEPARD, Pittsfield, Mass.
- No. 7—NEW HAVEN, Conn., June 25-26-27, 1929  
PRES. OLIVER T. SANBORN, Portland, Maine
- No. 8—RUTLAND, Vermont, June 24-25-26-27, 1930  
PRES. LAWRENCE E. REIF, New Haven, Conn.
- No. 9—BOSTON, Mass., June 23-24-25-26, 1931  
PRES. SELDEN R. ALLEN, Brookline, Mass.
- No. 10—NEWPORT, R. I., June 21-22-23-24, 1932  
PRES. JOSEPH LAWTON, Newport, R. I.
- No. 11—LEWISTON, Maine, June 20-21-22, 1933  
PRES. ALFRED H. KOLTONSKI, Rutland, Vt.
- No. 12—BURLINGTON, Vermont, June 26-27-28-29, 1934  
PRES. DANIEL B. TIERNEY, Arlington, Mass.
- No. 13—NEW BEDFORD, Mass., June 25-26-27, 1935  
PRES. JOHN S. PACHL, New Haven, Conn.
- No. 14—HARTFORD, Conn., June 23-24-25, 1936  
PRES. DAVID H. DeCOURCY, Winchester, Mass.
- No. 15—THE BALSAMS, Dixville Notch, N. H., June 22-23-24, 1937  
PRES. CARL D. STOCKWELL, Burlington, Vt.
- No. 16—BURLINGTON, Vt., June 21-22-23, 1938  
PRES. JOSEPH W. RANDLETTE, Richmond, Maine
- No. 17—PROVIDENCE, R. I., June 20-21-22, 1939  
PRES. THOMAS F. BURNS, Bridgeport, Conn.
- No. 18—THE BALSAMS, Dixville Notch, N. H., June 25-26-27, 1940  
PRES. SAMUEL J. POPE, Boston, Mass.
- No. 19—BOSTON, Mass., Aug. 18-23, 1941  
PRES. THOMAS H. COTTER, Providence, R. I.
- No. 20—Cancelled because of the War  
PRES. WILLIAM C. MAHONEY, Peabody, Mass.
- No. 21—RUTLAND, Vt., War Conference, June 22-23-24, 1943  
PRES. WILLIAM C. MAHONEY, Peabody, Mass.
- No. 22—THE BALSAMS, Dixville Notch, N. H., June 27-28-29, 1944  
PRES. M. W. LAWTON, Middletown, Conn.
- No. 23—Cancelled because of the War  
PRES. ALLEN F. PAYSON, Camden, Maine
- No. 24—THE WENTWORTH, Nortsmouth, N. H., June 25-26-27, 1946  
PRES. ALLEN F. PAYSON, Camden, Maine
- No. 25—THE WENTWORTH, Portsmouth, N. H., June 24-25-26, 1947  
PRES. FRANK J. CALLAHAN, Central Falls, R. I.
- No. 26—THE WENTWORTH, Portsmouth, N. H., June 22-23-24, 1948  
PRES. ARTHUR W. SPRING, Laconia, N. H.
- No. 27—THE WENTWORTH, Nortsmouth, N. H., June 21-22-23, 1949  
PRES. CHIEF WILLIAM H. HILL, Belmont, Mass.

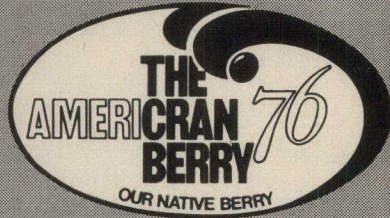
## Places and Dates of Past Conventions

(Continued)

- No. 28—THE WENTWORTH, Portsmouth, N. H., June 20-21-22, 1950  
PRES. CHIEF STUART M. POTTER, Greenwich, Conn.
- No. 29—THE WENTWORTH, Portsmouth, N. H., June 19-20-21-22, 1951  
PRES. CHIEF WILLIAM H. CLIFFORD, Cape Elizabeth, Maine
- No. 30—THE WENTWORTH, Portsmouth, N. H., June 23-24-25-26, 1952  
PRES. JOSEPH E. SCANLON, Lynn, Mass.
- No. 31—THE WENTWORTH, Portsmouth, N. H., June 22-23-24-25, 1953  
PRES. ANTHONY J. MOLLOY, Nashua, N. H.
- No. 32—THE WENTWORTH, Portsmouth, N. H., June 21-22-23-24, 1954  
PRES. CHIEF HENRI E. FORTIER, Manville, R. I.
- No. 33—THE WENTWORTH, Portsmouth, N. H., June 20-21-22-23, 1955  
PRES. CHIEF GEORGE C. GRAHAM, Bristol, Conn.
- No. 34—THE WENTWORTH, Portsmouth, N. H., June 25-26-27-28, 1956  
PRES. CHIEF JOHN F. KEEFE, Bellows Falls, Vt.
- No. 35—THE WENTWORTH, Portsmouth, N. H., June 23-24-25-26, 1957  
PRES. CHIEF HORACE S. JOSE, So. Portland, Maine
- No. 36—THE WENTWORTH, Portsmouth, N. H., June 23-24-25-26, 1958  
PRES. CHIEF THOMAS H. SLAMAN, Wellesley, Mass.
- No. 37—THE WENTWORTH, Portsmouth, N. H., June 22-23-24-25, 1959  
PRES. CHIEF GEORGE F. SALISBURY, Central Falls, R. I.
- No. 38—THE WENTWORTH, Portsmouth, N. H., June 20-21-22-23, 1960  
PRES. CHIEF GUY L. FOSS, Wolfeboro, N. H.
- No. 39—THE WENTWORTH, Portsmouths, N. H., June 19-20-21-22, 1961  
PRES. CHIEF FRANCIS J. DAGON, East Hartford, Conn.
- No. 40—THE WENTWORTH, Portsmouth, N. H., June 18-19-20-21, 1962  
PRES. CHIEF ALFRED T. WRIGHT, White River Junction, Vt.
- No. 41—THE WENTWORTH, Portsmouth, N. H., June 17-18-19-20, 1963  
PRES. CHIEF RICHARD FRATES, Bath, Maine
- No. 42—THE WENTWORTH, Portsmouth, N. H., June 28 to July 2, 1964  
PRES. CHIEF BARTHOLOMEW A. CURREN, Scituate, Mass.
- No. 43—THE WENTWORTH, Portsmouth, N. H., June 21 - 24, 1965  
PRES. CHIEF THOMAS E. DUCKWORTH, Warwick, R. I.
- No. 44—THE WENTWORTH, Portsmouth, N. H., June 20 - 23, 1966  
PRES. CHIEF RALPH G. SEAVEY, Rochester, N. H.
- No. 45—THE WENTWORTH, Portsmouth, N. H., June 19 - 22, 1967  
PRES. CHIEF JAMES L. GROTE, Chester, Conn.
- No. 46—THE WENTWORTH, Portsmouth, N. H., June 23 - 27, 1968  
PRES. CHIEF CARMI J. DUSO, Enosburg Falls, Vt.
- No. 47—THE WENTWORTH BY THE SEA, Portsmouth, N. H., June 22 - 26, 1969  
PRES. CHIEF GEORGE A. BULGER, Rumford, Maine
- No. 48—THE WENTWORTH, Portsmouth, N. H., June 21 - 25, 1970  
PRES. CHIEF ROBERT ULM, Easthampton, Mass.
- No. 49—THE WENTWORTH, Portsmouth, N. H., June 13 - 17, 1971  
PRES. CHIEF ROMEO D. MONAST, Pawtucket, R. I.
- No. 50—THE WENTWORTH, Portsmouth, N. H., June 18 - 22, 1972  
PRES. CHIEF JOHN F. DONOVAN, Durham, N. H.
- No. 51—MT. WASHINGTON HOTEL, Bretton Woods, N. H., June 24 - 28, 1973  
PRES. CHIEF THOMAS J. HAYES, East Haven, Conn.
- No. 52—MT. WASHINGTON HOTEL, Bretton Woods, N. H., June 23 - 27, 1974  
CHIEF ALBERT B. GALEFETTI, Barre, Vt.
- No. 53—THE WENTWORTH, Portsmouth, N. H., June 22 - 26, 1975  
PRES. CHIEF JOSEPH R. CREMO, Portland, Maine
- No. 54—MT. WASHINGTON HOTEL, Bretton Woods, N. H., June 27 - July 1  
PRES. CHIEF EDWARD B. BOROWIEC, Chicopee, Mass.



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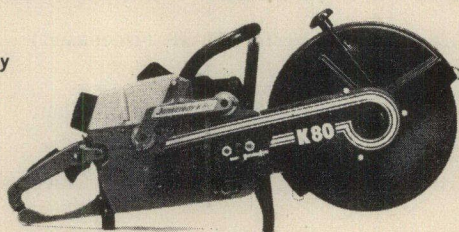


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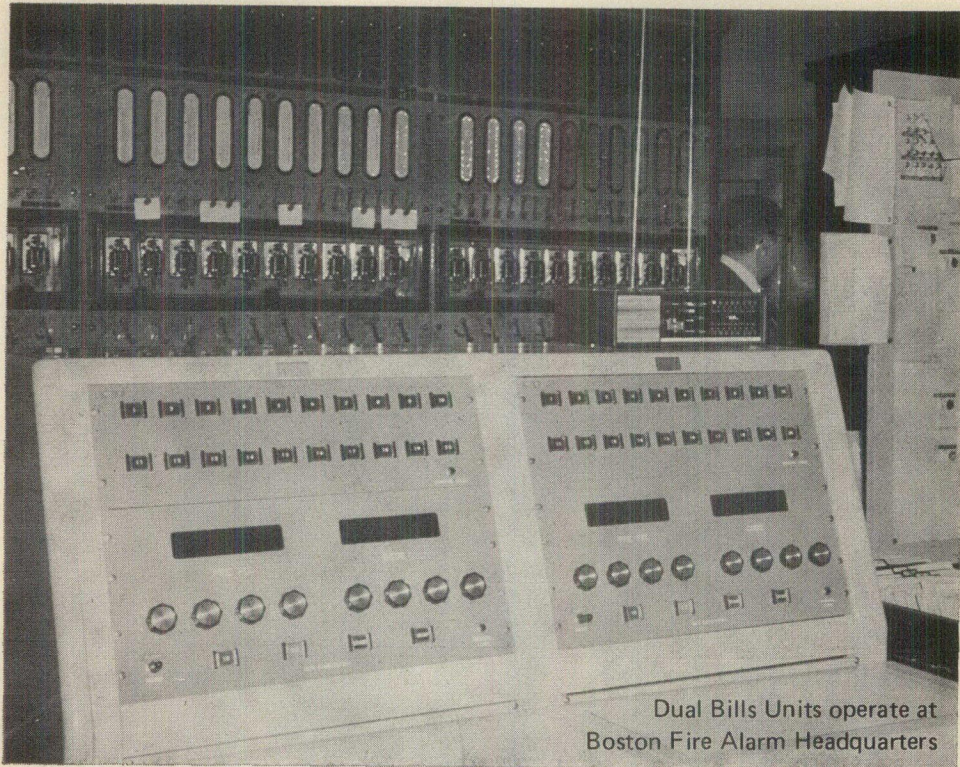
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**54th Annual Conference****NEW ENGLAND ASSOCIATION OF FIRE CHIEFS, INC.****MOUNT WASHINGTON HOTEL, BRETTON WOODS, NEW HAMPSHIRE****June 27 - July 1, 1976****SUNDAY EVENING SESSION — JUNE 27, 1976**

The Sunday Evening Session of the Annual Meeting of the NEW ENGLAND ASSOCIATION OF FIRE CHIEFS, INC. convened in the Ball Room of the Hotel Mount Washington, Bretton Woods, New Hampshire, on June 27, 1976, at 8:55 o'clock P.M., with President Edward Borowiec presiding.

**PRESIDENT BOROWIEC:** It is a distinct privilege to greet the members and the ladies who are here to participate in our discussions and deliberations.

As President of the New England Association of Fire Chiefs, Inc., I now declare the 54th Annual Conference opened.

I ask Reverend Charles H. Hood, our Chaplain from Beverly, Massachusetts, to deliver the Invocation.

**REVEREND CHARLES H. HOOD:** Let us pray. Dear Father of mankind, we humbly invoke Thy favor upon us, as we once again, according to Thy will, meet for our Annual Conference, and we ask you to bless us in all of our endeavors.

And grant that through our increasing knowledge and love of Thee, we all may go on from strength to strength in the life of perfect service to Thee and to our brothers in Christ.

We would, in holy remembrance, hold up to Thee our former comrades in the Fire Fighting Service whom we have known and with whom we have worked, and yet who are no longer with us, remembering that they are in your love and favor and keep.

Bless us with Thy spirit, those here gathered. May we gain the knowledge and love of Thee, through Christ, our Lord. Amen.

**PRESIDENT BOROWIEC:** Please remain standing. It is appropriate that we join the nation in the celebration of our country's Bicentennial with a Salute to the Flag.

[The audience then rose, and participated in the Salute to the Flag.]

**PRESIDENT BOROWIEC:** At this time, we are going to have an Address of Welcome from Mr. Norman Dugas, Manager of the Mount Washington Hotel.

**MR. NORMAN DUGAS,** Manager of the Mount Washington Hotel: Thank you, Chief Borowiec. On behalf of our 257 employees, I give you a very warm welcome to Bretton Woods, and I hope that you will have a very fine four days here.

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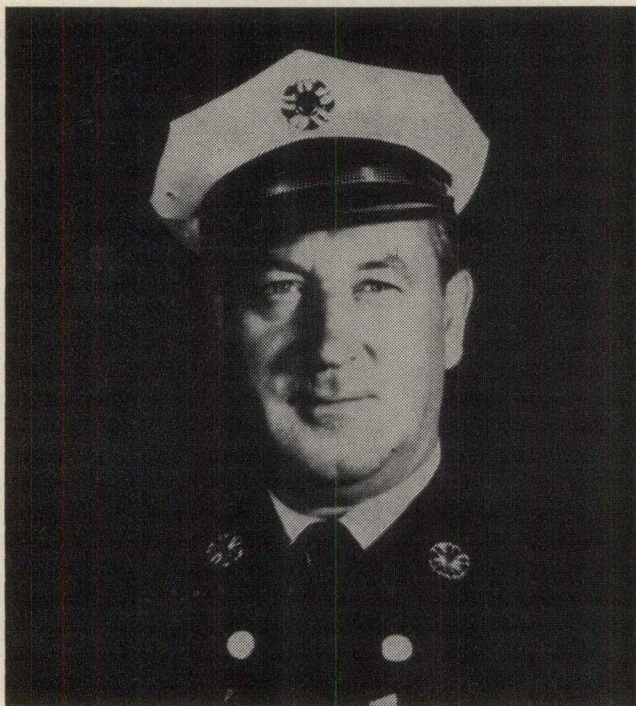
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**PRESIDENT BOROWIEC:** We shall now have an Address of Welcome by Chief Wilbur D. Perkins, President of the New Hampshire Chiefs' Association.

**CHIEF WILBUR D. PERKINS,** President of the New Hampshire Chiefs' Association: I want to welcome you on behalf of the New Hampshire Fire Chiefs' Association, and I hope that you will have a good Conference, here.

**PRESIDENT BOROWIEC:** I feel that it is now time for the Response to the Welcome. I call upon the Director from Agawam, Massachusetts, Chief Harry W. Schneider, for that response.

**CHIEF HARRY W. SCHNEIDER:** Thank you, Mr. President. Reverend Clergy, Members of the Association and Guests. I want to thank our distinguished hosts for the warm words of welcome, and the pleasant atmosphere provided for us.

Our profession demands individuals who must be able to constantly prepare themselves, to provide themselves with continuous faithful service.

**PRESIDENT BOROWIEC:** Thank you, Chief Schneider. We shall now proceed with our Memorial Services. Please refrain from smoking, and no applause until the services are concluded.

We shall begin our Memorial Services with an appropriate song.

[Ms. Carlson then rendered the song: "Hold Your Head Up High; You'll Never Walk Alone."]

**PRESIDENT BOROWIEC:** Our Association has set aside this part of the program to honor our departed members. In the inevitable course of events, our membership loses each year men whom it esteems and loves. We treasure our remembrance of them and their memories endure to stimulate the noble traditions of our Association.

On this occasion, we pause to reflect on the many achievements of our departed brothers.

**PRESIDENT BOROWIEC:** I am going to ask our Secretary, Chief James F. Brennan of Salem, Massachusetts, to read the Roll Call of deceased members.

**SECRETARY JAMES F. BRENNAN:** The following members of the New England Association of Fire Chiefs, Inc. have passed away since our last Conference.

Chief Antone Sousa, West Bridgewater, Mass. Admitted May 2, 1949, died July 4, 1975.

Chief Ernest J. Nevard, Darien, Connecticut. Admitted August 29, 1967, died August 26, 1975.

Chief Joseph J. Stopa, Fairfield, Connecticut. Admitted June 23, 1958, died October 4, 1975.

Chief Charles Lampard, Swampscott, Mass. Admitted October 18, 1939, died October 6, 1975.

Chief William R. Hart, Salem, Mass. Admitted April 4, 1960, died October 16, 1975.

Assistant Chief John W. Keene, Westerly, R. I. Admitted June 21, 1970, died January 1, 1976.



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Chief Henry F. Feddern, Blackstone, Mass. Admitted February 8, 1958, died January 21, 1975.

Chief Ernest L. Neal, Waltham, Mass. Admitted June 6, 1935, died February 2, 1976.

Chief Daniel A. MacInnis, Jr., Lincoln, Mass. Admitted April 1, 1973, died February 20, 1976.

Chief John E. Devine, Manchester, N. H. Admitted July 15, 1964, died March 6, 1976.

Assistant Chief Moses Payne, Jr. Admitted June 21, 1937, died March 20, 1976.

Chief Ralph G. Smallidge, Medford, Mass. Admitted April 4, 1957, died April 22, 1976.

Chief John F. McGovern, Littleton, Mass. Admitted June 23, 1970, died May 2, 1976.

Chief John B. West, Kingston, Mass. Admitted October 27, 1964, date of death not known.

That concludes the list of the deceased members of the Association.

**PRESIDENT BOROWIEC:** Will every one please rise for a moment of silence and reverent memory to our departed members?

[The Lord's Prayer was then sung by Ms. Carlson.]

**PRESIDENT BOROWIEC:** Our principal speaker for this evening will be Father Steven Foley, our Chaplain from Windsor Locks, Connecticut, who will deliver the Memorial Address. Father Foley!

## **MEMORIAL ADDRESS**

**REVEREND STEVEN FOLEY, Chaplain**

**Windsor Locks, Connecticut**

It is, indeed, appropriate that the clergy should be affiliated with the Fire Service. After all, we are really both in the same business, the business of fire fighting is right here, and we, the clergy, take care of the hereafter. Reverend Hood agreed with me on that point and reminded me, too, that of course, the Fire Service requires those who are in it to have a great deal of dedication.

It is my primary function to memorialize those who have gone before us, and in order to do that we must take account of those who are with us, as well. I know that we can hear the distinguished names of our past members, without whose efforts we would not have a great history.


Our real point in addressing ourselves this year might well be summarized in Chapter 3 of the Book of Wisdom, from which we take the following lesson:

But the souls of the just are in the hand of God, and the torment of death shall not touch them.

In the sight of the unwise they seemed to die; and their departure was taken for misery:



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And their going away from us, for utter destruction: but they are in peace.

And though in the sight of men they suffered torments, their hope is full of immortality.

Afflicted in few things, in many they shall be well rewarded: because God hath tried them, and found them worthy of himself.

As gold in the furnace he hath proved them, and as a victim of a holocaust he hath received them, and in time there shall be respect had to them.

The just shall shine, and shall run to and fro like sparks among the reeds.

They shall judge nations, and rule over people, and their Lord shall be their King for ever.

They that trust in him, shall understand the truth: and they that are faithful in love shall rest in him: for grace and peace is to his elect.

Certainly, this describes for us, I think, the memory of those whom we honor this evening. Like Chief John Devine of Manchester, New Hampshire, for he was a good person, as were the others, and he was genuinely concerned, not only with the Fire Service, but with people in general, and I am sure that if you talked to people in Manchester, in or out of the Fire Department, you would find out much about him and his good works and, indeed, it would be hard to describe all of them.

God is very close to the Fire Department and the Fire Chiefs because he knows that, in the words of the Scriptures, "Whatever you do to the least of my brothers, you do to me."

I want to give you two short extractions from the Chapter of the Book of Ecclesiastes, the last two verses. Please listen carefully, and consider them for a few minutes, as they will summarize a goal of a lifetime of affairs:

"Fear God, and keep his commandments; for this is all man:

"And all things that are done, God will bring into judgment for every error, whether it be good or evil."

Let us sincerely go forward, so that we may hear these words:

"Well done, my good and faithful servants, and enter the joy of the Lord."

**PRESIDENT BOROWIEC:** Thank you, Father Foley. Before I ask for the Benediction, I want to recognize the presence of the President of the International Association of Fire Chiefs, Inc., Chief David B. Gratz!

**PRESIDENT DAVID B. GRATZ:** Thank you very much, Mr. President. Good Evening, Ladies and Gentlemen. I greatly appreciate the kind invitation to attend your meeting.

**PRESIDENT BOROWIEC:** Ladies and Gentlemen, this concludes our Memorial Services for this Conference.

At this time, I am going to ask Reverend Hood to give the Benediction.

**REVEREND CHARLES F. HOOD:** And now, may the Lord bless thee and keep thee, and make His face to shine upon all of us. Amen.

**PRESIDENT BOROWIEC:** And now, the rest of the evening is yours to enjoy.

[Adjourned at 9:40 o'clock in the evening, June 27, 1976.]



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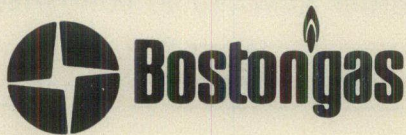
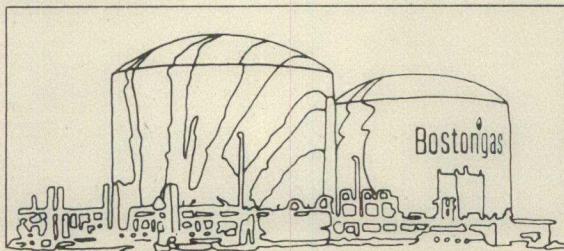
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## MONDAY AFTERNOON SESSION — JUNE 28, 1976

The Monday Afternoon Session of the Conference convened in the Ballroom at 2:00 o'clock P.M., with Chief Raymond Potter presiding.

**CHAIRMAN POTTER:** I was asked to introduce Paul Leddy, but really, he needs no introduction, for he has been the Chairman of the Program Committee for quite a few years.

Paul, will you please take over at this time?

**PROGRAM CHAIRMAN PAUL LEDDY:** It gives me great pleasure, as your Program Chairman for the New England Association of Fire Chiefs, Inc., the Educational part of the program, to introduce your Moderator, who will introduce the speaker.

At this time, I would like to introduce the Moderator for this afternoon's program, and say that he is substituting for Chief Richard Barron of Rutland, Vermont. I give you Chief Al Galfetti of Barre, Vermont. He has been the Chief in his city for many years, and he is a Past President of the Vermont Fire Chiefs Association, and of the New England Association of Fire Chiefs, Inc.

**MODERATOR ALBERT GALFETTI:** Gentlemen, we have a fine speaker this afternoon. The title of his Address is the "Reaction of Sporting Ammunition to Impact and Fire."

Our speaker, Charles F. "Chuck" Turner, is a native of Connecticut. He has spent twenty-five years in the arms and ammunition industry in both research and production before taking his present position as a Technical Advisor with the industry trade association, the Sporting Arms and Ammunition Manufacturers' Institute, Inc.

I now give you our speaker, Charles F. Turner! [Applause]

### REACTION OF SPORTING AMMUNITION TO IMPACT AND FIRE

**CHARLES TURNER, Product Safety Consultant**

**Sporting Arms and Ammunition Manufacturers' Institute**

The SAAMI is really a trade association, with sixteen or seventeen major sporting ammunition manufacturers in the United States and Canada among its members. It started out in Chicago when the Chicago Fire Prevention Bureau decided against too much ammunition and they decided that this could be an unreasonable hazard, in case of fire.

Well, the sporting goods operators were taken to Court, but we were not convinced that we couldn't convince the Judge that sporting ammunition would not explode.

Each one of our members had had considerable experience through this ammunition and fire situation. Well, after quite a while, the Judge finally felt that ammunition would not explode. So that we finally convinced him that if we could prove to him that ammunition would not explode, would he agree, and he said: "Yes." And he said that he would allow the Fire Department and the Fire Prevention Bureau to deny it.

[The film was then shown to the audience present.]



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So that we put together this film, which was actually a compilation of everything that occurred in one day, with rounds of ammunition, and this is all saleable ammunition.

MR. CHARLES TURNER: Gentlemen, before I open up the meeting for your questions, may I say that no bulk powder is contained in these tests, and specially there was no black powder. We also had no other flammable materials such as paint, and some other materials, in these tests.

If there are any of you who have combination storage, such as hardware stores, you should acquaint yourselves with where this ammunition and the inflammables are, relative to each other. We suggest that you split them up.

I might also say that this film is available on a short-term basis, or, if you want to keep it, you may do that by agreement.

QUESTION: What about the ammunition used?

MR. TURNER: That is black powder, and black powder is highly explosive; it is considered to be a Class A explosive. I might say that this is a new powder, which is mentioned as the substance of black powder called Byrodex, and it is supposed to be a substitute for black powder. In what I have seen in reading the tests, it did every bit that it was supposed to do. It flared up, but, it was not explosive.

[The drawing then took place. 098756 was drawn for the raffle prize.]

CHAIRMAN LEDDY: At this time, I want to introduce our Moderator for the second portion of our program. And, you will all know him from this morning's meeting of the New England Division of the I.A.F.C., Chief Raymond Potter of the Suffield Fire Department, who has been in the Department for forty years, twenty-four years as Chief. He joined this Department in 1946 and he was made Chief in 1952. He was elected President of the Hartford Fire Department in 1962, and he has been the President of the Connecticut Fire Chiefs' Association in 1963 and 1964, and has served on various committees for State and International duties.

At this time, it is my pleasure to introduce to you Chief Raymond Potter of Suffield, Connecticut, as your Moderator for the balance of the afternoon.

MODERATOR RAYMOND POTTER: It is a pleasure to introduce to you this afternoon Robert G. Sawyer, whose topic is "Pre-Planning for Emergencies in Nuclear Facilities."

I know that in all of this ballyhoo that is going around about nuclear facilities, with the dangers and the environmental protection, that everybody gets into the act, with the politicians, so let me say that I think Bob Sawyer is an Administrative Staff Engineer for the Nuclear Energy Liability-Property Insurance Association.

Bob was employed by the Factory Insurance Association in 1965 as a Fire Protection Engineer, and eventually he was assigned as a Senior Engineer to service complex industrial risks including nuclear facilities. Then, in 1975, he assumed his current position at NEL-PIA. He is presently responsible for the nation-wide coordination of fire protection activities at nuclear power plants.

Mr. Sawyer received his Associate Degree in Fire Technology and Administration, and he is currently working towards a B.S. degree at the University of New Haven.

Ladies and Gentlemen, it is a real pleasure for me to present to you at this time Robert G. Sawyer.



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## PRE-PLANNING FOR EMERGENCIES IN NUCLEAR FACILITIES

ROBERT G. SAWYER

Staff Engineer - Property

I am here to make you aware of the hazards you may face and, hopefully, help to dispel any fears you may have of the nuclear or atomic field.

As fire officers and fire fighters, we are expected to be fully knowledgeable to each and every hazard we face. I can think of no other service or profession that demands this wide a scope of expertise from its personnel. I feel that the Fire Service is doing this job well. More training is needed and always will be. New ideas and concepts must be developed and implemented. Professionalism in the Fire Service must be advanced.

They saw the proof in a burning building, where there were no explosions, and the same conditions exist in nuclear reaction, a peace-time nuclear reaction. Gentlemen, you cannot explode, and you don't have to worry about it.

First, what is a Nuclear Facility?

For purposes of this discussion, I would like to broaden the description to include any location storing, using, or handling radioactive materials. We will then be including medical, agricultural, metallurgical, tracing, gauging, static elimination, chemical research and power production.

In New England, we have six (6) Nuclear Power Plant sites, with additional sites being planned. We have fuel fabrication facilities, research reactors, medical locations, as well as innumerable other businesses using radioactive materials. And so, Gentlemen, the problem exists.

Secondly, the Pre-planning should insure that a safe, efficient, coordinated attack will be waged upon any emergency in the facility. The emergency may be anything that jeopardizes life or property and requires Fire Department services. It could include fire, explosion, flooding, rescue or emergency medical services.

I feel that it is your responsibility as Fire Chiefs and Fire Officers to be aware of the hazards involved, as well as the capabilities and limitations of the operators of a Nuclear Facility in your jurisdiction. You should be aware of and understand the operation and location of any and all fire protection equipment provided at the facility.

No one knows the operation of the Facility as well as the operators. The experts in fire fighting and fire suppression are the Fire Service.

You must get involved. Contact the Facilities management; let them know your concerns over the possible hazards to your personnel and your concern for their employees and property. Meet them; talk with them and tour the facility. This is the only way for you to evaluate their fire defenses and capabilities, and for them to understand your capabilities and realize that professionalism does exist in the Fire Service. Discuss it, and work out responsibilities and authority, such as who will be in charge during the emergency? Get involved in the training of their Fire Brigade including joint drills and sessions with your personnel and equipment. Get them involved in training your personnel regarding hazards and Facility operations.





Banquet Head Table.



Guest speakers—Jeremiah Murphy of the Boston Globe (with coffee); Rev. Hood with the pipe:

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I would like, now, to give you some background information on the hazards you may face. Even at a Nuclear Facility the majority of emergencies will be routine and not involve radioactive materials.

Let us assume that a Nuclear Power Plant is going to be built in your jurisdiction. Let us also assume that you, as Fire Chief, will become involved.

The construction phase of a two-unit Nuclear Power Plant will be a multi-million dollar project lasting from eight to ten years. A large construction village will be erected with various Warehouses, Fabrication Shops, Offices and Trades Buildings. Protection can vary from frame construction, virtually unprotected, to a fully sprinklered construction village.

The permanent plant construction will consist of massive concrete and steel structures, with the associated form-work necessary. Every effort is made to have non-combustible form-work and bracing used, including metal and treated lumber. You should be aware of the extent of combustibles to be used during the construction phase.

Temporary work and weather shelters may be of combustible construction and expose high value or vital equipment.

You should know the capacities, location and operation of fire protection equipment, such as fire pumps and water supply, location and operation of valves supplying fire protection systems and hydrant locations. Your department should be notified when any protection is out of service or relocated. In general, steamer connections on plant hydrants should not be used!

The cooling towers may be large hyperbolic or multi-cell mechanical draft units. They may be 100 per cent non-combustible, or with varying degrees of combustibles such as fill, supports, decking or shrouds. Fixed deluge water spray protection may be provided if combustibles are involved. Regardless of the combustible loading in the completed tower, during construction, combustible forms and staging may be used. Also, some materials that are considered non-combustible or acceptable in their final configurations may present a hazard during storage.

Apparatus access will also be a definite problem that will change from day to day. You should know what roadways will be open at all times and capable of supporting the weight of your apparatus during all weather conditions. What roadways will be cleared early during snow storms?

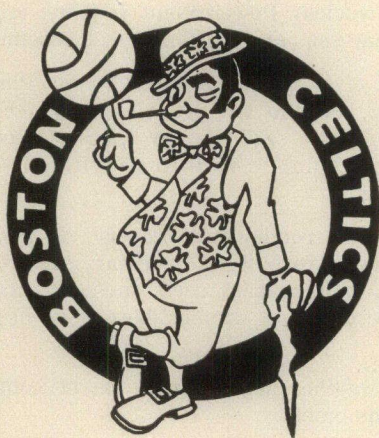
Will your aerial equipment be able to approach buildings close enough to be effective? What equipment is available to get your personnel and equipment to areas inside the plant and above the reach of your equipment.

Is this Pre-Planning all worthwhile? I believe that it is! When the alarm comes in and you see the glow in the sky, you will already know the extent and location of combustibles, hazards you may face, fire protection equipment available to you, access routes and fire fighting capabilities of site personnel. Your professionalism will be evident.

Now, Nuclear fuel will arrive and be stored on the site. Security at this point will be tightened and arrangements and procedures must be made to permit prompt admittance of emergency services that respond to the Facility. Where is the fuel stored, and do we have any exposure to it? The fuel itself does not constitute a personnel hazard, but precautions must be taken. One concern may be the use of water around the fuel. These details should be included in the Pre-Planning Program. It should be noted that, spent or used fuel will always be stored under water. Now,



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this is a problem, and if the problem is created by their own rules, all right. Government regulations do not preclude the prompt going in. If you are a paid department, and you are running a full Engine and Ladder Company, the word is around that those people are all that would be necessary to get the apparatus on the property. But, it has to be escorted, and that means the security guard, and the fire crew is escalated. They don't have to search the fire-fighter. But, it is required that the Nuclear operator does have a contract with the local engineering services, and they can work under security arrangements.

The completed Nuclear Power Plant will have most of the hazards common to major industry, plus a few more. These hazards will be briefly discussed for your information in these classes:

1. Flammable and Combustible Liquids
2. Flammable Gases
3. Ordinary Combustibles.

And, the same hazards, with a few exceptions, will be found in other Nuclear Facilities. Flammable and combustible liquids can be classified as fuels, oils or cleaning solvents. Fuels will include fuel oil for auxiliary boilers and diesel fuel for the emergency diesel generators. You will find in conversations with operators that certain equipment will be classified as "safeguards" or "safety related." This means that the equipment is necessary for a safe plant shutdown. This equipment will be "redundant" or duplicated for maximum reliability. The emergency diesel generators will be in this category.

Oils, including lubricating, hydraulic and transformer oils will be used. Lubricating oils will be found in pumps, motors and turbines in varying quantities. The most difficult fire to combat that I can think of would be a fire involving the turbine generator bearing lubrication system. Regardless of leakage, broken piping, or fire, this system must retain in operation during the coast down time of the turbine to prevent mechanical failure and break-up of the unit. This coast down time may be from twenty (20) to forty (40) minutes, during which time we can have a constantly fed, pressurized oil system fire. Fixed fire protection is often provided for the oil systems and you should be aware of the system provided and its capacity and capability.

High pressure hydraulic systems will be used, many of which utilize high flash point oils to reduce the fire hazard. Transformers may contain thousands of gallons of oil for cooling and insulation and, of course, the electrical hazard may be present.

This is a good time to bring up a problem that you may encounter during your Pre-Planning. Many plant operators have an unfounded fear of discharging water onto or near energized electrical equipment. As Fire Officers, you are well aware of the effectiveness of fog to extinguish oil or ordinary combustible fires in and around electrical equipment.

You are also aware of the precautions that must be taken. There will be areas of the plant where the use of water should be strictly controlled. These should be worked out in advance; they may include areas where safeguards equipment could be disabled by water or contamination may be spread. This must be a judgment factor, and when the fire is spreading, water must be used to control the fire and prevent further damage.

Flammable cleaning solvents will be used. Storage and handling procedures should be reviewed.



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Hydrogen gas will be used for generator cooling. You should be aware of the location and arrangement of the storage cylinders and any exposure they may create. Shut-off valves should be accessible for your personnel. Hydrogen is also evolved during reactor operation and equipment to re-combine or exhaust it is provided.

Ordinary combustibles will be present in several systems, although you will find them to be limited in the Nuclear Power Plant, as compared with other large industries. The electrical cable system for a Nuclear Power Plant is extensive. The cable construction (insulation and jacket material) will be combustible to some extent. The cable will mostly be supported in cable trays throughout the plant.

A new, two-unit plant will contain approximately 150,000 linear feet of cable trays and up to eight (8) million feet of cable. Cable Spreading Rooms and Penetration Rooms may be very congested and almost impossible for a fire-fighter with full gear and breathing apparatus to move about it.

What fixed protection is available to back up your personnel? Water will be the most effective extinguishing agent for a cable system fire. Work out the details before the fire. Many plants will have total flooding carbon dioxide or Halon systems installed. Your people should be aware of the location and operation of these systems so that proper precautions are taken and so that no one is injured or overcome.

Many air filtering systems are used; these will include various air filters, including charcoal bed or tank type. What facilities are available for fire-fighting in these units?

I hope that you are not disappointed at this point, and saying to yourself, "the only hazard even mentioned that is unique to the nuclear field is the evolution of Hydrogen during reactor operation. The hazards and problems discussed exist in all fossil fuel generating plants (those using coal, oil or gas to generate steam) and are also common to any other large industry. So what is he trying to tell me?"

Gentlemen, if you are thinking that way, now, I have made my point. The Nuclear Power Plant and other Nuclear Facilities are not that much different than any other industry. They are nothing to fear, but deserve the same attention and Pre-Planning that you would give to any other large property in your jurisdiction.

Don't get the impression that no nuclear or radiation hazards exist at these Facilities. They do. Your Pre-Planning Program and Training will identify and spell out precautions that must be taken, such as limiting exposure time, and the use of protective clothing and self-contained breathing apparatus. High radiation areas will be encountered, where entry time will be limited or entry must be delayed. Contaminated areas and materials, as well as airborne contamination may be encountered. Some of your equipment may become contaminated and require decontamination before it is released from the Facility. The Facility will have a Health Physics Staff to give you guidance and advice during an emergency.

Nuclear Facilities, other than Power Plants, will have radiation and/or contamination hazards in varying degrees. Hot cells, where necessary, will be inaccessible to any manual fire-fighting, and will depend on fixed protection. Glove boxes can be difficult fires to fight, due to ventilation and contamination problems. Note that glove boxes are also used for toxic substances as well as biologically dangerous materials. Again, Pre-Planning prior to the emergency is vital. Be aware of the location and operation of any fire protection equipment provided at the site.

Two recent fires involving Nuclear Power Plants and the Fire Service are of definite interest to us,



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First, let us discuss a fire that occurred at a Power Plant during the construction phase. Normally, the reactor vessel would be fabricated and assembled at the Nuclear Steam System Suppliers' plant, and be transported to the site by barge, railroad or truck. At this location, transportation to the site was not possible, and the reactor vessel was being assembled at the construction site. A 28-foot diameter steel silo had been erected to protect the five (5) sections of the vessel while they were being welded together and tested. Wood planking on steel frames was provided in the silo for access to the vessel.

At 4:00 P.M. on a Saturday afternoon, smoke was noted as coming from the vent in the roof of the silo. The local Fire Department was called immediately and arrived by 4:10 P.M. The Fire Department was not allowed to use water on the fire on the basis that the water would cool the vessel that was heated for stress relief too rapidly, and that the chlorides in the water could damage the stainless steel vessel.

The Fire Department was allowed to apply foam at the bottom of the silo, and by working through holes in the silo, knock the planking down into the foam at the bottom. This process took until 11:30 P.M., seven and a half hours after the fire started.

The loss, including testing of the vessel, will reach \$100,000. Pre-Planning could have limited the loss and also the amount of time that the fire forces were tied up.

The other fire that I would like to discuss occurred on March 22, 1975, at the Tennessee Valley Authority's Brown's Ferry Plant near Decatur, Alabama. This fire burned for seven hours before it was extinguished, and caused property damage, at this self-insured facility, of approximately 10 million dollars. In addition, the cost to produce power while the two units are out of service approximates 10 million dollars per month. The fire was also widely publicized, and the nuclear safety of the plant was questioned.

The TVA's Brown's Ferry Nuclear Power Plant is located on the Tennessee River, near Decatur, Alabama. Brown's Ferry is a three-unit Plant that utilizes three Boiling Water Reactors for steam generation, and has an electrical capacity of 1097 mw (e) for each unit. At the time of the fire, Units 1 and 2 were in operation at 100 per cent capacity, and Unit 3 was under construction, with fuel loading scheduled for May, 1976.

We will concentrate on the area involved in the fire. This Equipment Plan shows the equipment layout at the Control Room level. You will note the common Control Room for Units No. 1 and No. 2, and the Turbine Building and Reactor Units and associated equipment at the same level. The Cable Spreading Room is located one level below the Control Room. The Cable Spreading Room contains the cabling that runs from the Control Room to various areas of the plant. The Cable Spreading Room is also common to Units 1 and 2.

This Section View through the Reactor Building, Control Complex and Turbine Building will give a clearer picture of the areas involved in the fire. Note the Control Room, Cable Spreading Room and the adjacent area in the Reactor Building. The point of fire origin and fire area are clearly shown in this slide.

This next slide shows the manner in which the cable penetrations through the wall from the Cable Spreading Room to the Reactor Building were constructed. The reinforced concrete wall was 26-inches thick. A one-half inch thick steel plate fills the 4-foot by 4-foot wall opening. Cable trays terminate on each side of the wall, and the cables passed through 10-rectangular sleeves. To form an air-tight seal around the cables within these penetrations, polyurethane foam in pillow form was stuffed in around the cables, followed by filling the remainder of the sleeve with foamed in-place polyurethane. To give the polyurethane some degree of fire protection, a fire retardant mass was applied over the surface of the foam.



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On the afternoon of March 22nd, employees were working on the inspection and repair of the cable penetration seals in the Cable Spreading Room. The procedure used was to hold a candle close to the penetration, and watch for the flame to flicker in the direction of the Reactor Building, indicating air flow through the seal. A leak had been detected, and additional polyurethane foam material had been stuffed into the penetration. The procedure used was to test and seal the air leaks with polyurethane foam before the foamed in-place polyurethane foam and fire retardant mass were installed to complete the seal.

At 12:30 P.M. on March 22, 1975, the flame from the candle was sucked into the penetration seal and ignited the polyurethane foam plastic sheeting material. Immediate attempts to beat out the flame with a flashlight and to smother it with rags failed, and the first major fire in an operating Nuclear Plant in the United States was underway.

A portable carbon dioxide extinguisher was discharged onto the fire, and it appeared that the fire was extinguished. However, it re-ignited within one minute, and it was apparent that the fire had spread into the Reactor Building.

At 12:30, two workers left the Cable Spreading Room to fight the fire in the Reactor Building. The Control Room was notified of the fire at 12:35, and they sounded the Plant fire alarm, and notification of the Reactor Building fire was given over the public address system. Shortly after, the Control Room was notified of the Cable Spreading Room fire.

The evacuation alarm for the Cable Spreading Room was sounded at 12:40, and an operator manually discharged the fixed total flooding carbon dioxide system in the Cable Spreading Room. The system was discharged a second time shortly after, and a third time later in the afternoon. Access to the fire area was difficult, due to the congested cable tray system. Portable carbon dioxide and dry chemical extinguishers were discharged onto the fire in the Cable Spreading Room until the fire in this area was declared out at 4:30 P.M. No water was used for fire fighting in this area.

Meanwhile, the workers that had responded to the Reactor Building found the fire burning in the cable system, approximately 20-feet above the floor, near the penetration. They obtained a ladder and discharged a dry chemical extinguisher on the fire. This knocked down the flames, but the fire re-flashed. Smoke was now building up in the area, and breathing apparatus was requested. Additional extinguishers were used in the area, until all personnel were driven away from the fire area by smoke.

At 1:10 P.M., the Assistant Shift Engineer, in charge of fire-fighting in the Reactor Building, requested assistance from the Athens Fire Department. The Fire Department responded, entered the plant and had been provided with film badges by 1:45 P.M. The Fire Chief surveyed the fire area, and recommended the use of water to extinguish the fire by 2:00 P.M. This recommendation was rejected, due to concern over loss of additional circuits.

Lighting was lost in the Reactor Building about 1:30 P.M., and only limited fire fighting, using portable extinguishers, was carried on until 4:30 P.M. During this period, temporary lighting was provided, life-lines were run and available air supplies were used on a priority basis for positioning valves and other controls related to reactor safety.

Between 5:30 and 6:00 P.M., the Athens Fire Chief again recommended the use of water on the fire. The Shift Engineer and the Plant Superintendent agreed at this time, and plans were made to use the 1½-inch hose line in the fire area. It was between 7:00 and 7:20 P.M. before water was discharged on the fire. Attempts to use a 1½-inch hose line with an electrical type nozzle were only partially successful, since the fog



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would only reach the lowest tray. The Fire Department attempted to use a nozzle from their apparatus, but the threads were not compatible, and the nozzle came off when the line was pressurized. The original nozzle was then replaced and workers climbed up to the trays and discharged water on the fire.

At 7:30 P.M., the fire was declared out, seven hours and ten minutes after the candle had ignited the foam plastic.

In all, more than 1600 cables in 26 cable trays were damaged. Of these cables, 482 were Unit 1 safety related circuits, 22 were Unit 2 safety related and 114 were common to both units. Aluminum conduits in the fire area were melted and steel conduit was cracked. The only damage to piping systems was the failure of a soldered joint in an air supply line.

The fire damaged many cables that resulted in the loss of some of the systems that are normally available to maintain the reactor in a safe condition. However, the defense in depth concept that is used in the Nuclear Power Plant design provides adequate redundant or back-up systems to insure that nuclear safety is maintained at all times. The reactors at Brown's Ferry were maintained in a safe condition at all times during the following fire, with back-up systems available to replace systems that were lost.

Although the Brown's Ferry Plant suffered a very serious cable system fire, at no time was the plant, the Fire Department or the public in imminent danger of a nuclear incident. Detailed studies by T.V.A., the Nuclear Regulatory Commission and NEL-PIA's Nuclear Liability Engineering group have substantiated this fact.

Our concern in both of these fires is that the Fire Service were not allowed to do what they are experts at—extinguishing the fire!

Pre-Planning should have eliminated the delays involved in extinguishing these fires.

Gentlemen, get involved! Accept your responsibility and Pre-Plan all major properties in your jurisdiction, including the Nuclear Facilities.

Thank you.

If there are any questions, I shall be glad to try to answer them.

[The drawing was made. The number picked was 162,096.]

[Whereupon, the Monday Afternoon Session was adjourned at 4:00 o'clock P.M.]

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## TUESDAY MORNING SESSION — JUNE 29, 1976

### 9:30 A.M.

**PROGRAM CHAIRMAN LEDDY:** Our Moderator for this Session will be Chief Angelo Capelli of the Johnston Fire Department in Johnston, Rhode Island. He has been a Chief for five years, thirty years with the Department.

He is a member of the Rhode Island Association of Fire Chiefs, the Rhode Island Fire Chiefs' Club, the New England Association of Fire Chiefs, the New England Fire Marshals, the International Association of Fire Chiefs, and he is a Past President of the Woonsocket-Pawtucket and Valley Fire group.



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It is a pleasure for me to introduce to you at this time Chief Angelo Cappelli.

**MODERATOR ANGELO CAPPELLI:** Our speaker this morning is Mr. Louis R. Hampton, President of the Providence Gas Company, and his Address is on the subject of "Energy Shortage—Real or Imagined."

He is a graduate of the University of Rhode Island, with a B.S. Degree in Mechanical Engineering. He served in the Air Force in World War II.

## **ENERGY SHORTAGE — REAL OR IMAGINED?**

**LOUIS R. HAMPTON, President**

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Today, Energy is my topic, and I have some reservations about speaking on the subject.

I shall not overwhelm you with a great array of graphs, charts and statistics, even though that is a great temptation. If I can leave only one thought with you today, it is that this nation of ours is in trouble with its energy supply.

Our dependence on foreign oil grows steadily. We now import in excess of 6-million barrels of oil daily, and this demand is steadily moving upward. In recent weeks, it has hit 8-million barrels daily, and will remain at that level until Alaskan oil, in mid 1977.

At the same time, domestic oil production is trending downward. As late as 1965, 88 per cent of oil and natural gas used in the United States was domestic, but after 1965, the United States demand began to outstrip domestic supply. The majors, who were heavily tied to their investments in the Middle East, went along with controlled infusion of foreign oil into the mix. Years ago, they predicted that imports would be 45 per cent of the United States requirements by 1980, but no one seemed concerned, least of all the Congress. We are in excess of the 45 per cent import rate, now, and unless something is done to reverse the trend by 1980, we'll be well in excess of the predicted 50 per cent level despite the Alaskan oil, which should come on stream by mid 1977.

The lack of domestic energy for today, tomorrow and the next two decades is undeniable. There's nothing contrived about the energy shortage. It is probably the most serious problem confronting our country today. One thing is certain, that another lengthy embargo which would shut off our supply of oil would be devastating.

Many people equate energy availability with the situation existing at the local gasoline station. Obviously, they can't understand why the government calls for conservation and limits the driving speed to 55 miles per hour, in order to save fuel, while at the same time the major oil companies force their station owners to sell higher quotas of gasoline. This is a real contradiction, but it is really a simple problem of logistics. Storage and production simply cannot shut it on and off at will, for marketing plans don't change overnight any more than our habits or life-style change rapidly.

Last fall, the Federal Power Commission and the Federal Energy Administration predicted that many large industries would be shut down for lack of natural gas during the winter period, with a resultant loss of thousands of jobs. Later, this prediction was changed, and in actuality, no major shortage occurred.

The answer, however, was relatively simple. A warm fall, good crop drying weather, and a very mild winter in most of the country, with many industries either shut down or at low production levels due to the economic conditions which were apparent to all. Simply stated, the demand was dramatically reduced.



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Could energy costs be kept down when oil rises from \$2.00 per barrel to \$14.00 almost overnight? Synthetic natural gas cost escalated from \$1.88 per Mcf to \$5.35 in slightly over a year, and naphtha went from 10-cents to 38-cents.

Some politicians have been elected on the promise of lowering utility rates. It is wishful thinking and pure bunk, considering that utilities are the most publicly regulated industry to be found anywhere, and their costs have risen in every category, just like any other business.

From its very beginning, the United States was energy rich. Plenty of wood, oil, coal, and beginning in the 30's, an abundance of natural gas. The great American industrial complex which has made this country great had virtually an unlimited source as it expanded each year. Throughout much of the country in the 1930's and well into the late 1940's, natural gas was flared at the well-head to get rid of it because it was a nuisance in the process of producing oil. Only with the perfection of welding techniques did major pipelines move out across the country to deliver gas virtually everywhere. Natural gas was so cheap in most of the country that for twenty-five years it had no competition. By 1974, it was supplying over one-third of the nation's energy.

However, New England was an exception, in that it was a highly developed oil consuming area, because no natural gas was available until 1953, and its oil was principally imported from abroad, because it was cheaper than domestic oil.

Not many years ago, imported oil used to be under a quota system. Well, the quota was finally removed, and then the Arabs raised the price, and now, New England's cry is to give us more of the cheaper domestic oil, because New England is bearing an unusual burden in its energy costs!

For many years, the electric industry expanded rapidly, even lowered its rates in some cases, and energy costs from the electrical source remained fairly constant. In fact, the electric companies were proud of their low production cost. My company went virtually fifty (50) years without a rate case.

In 1973, perhaps the first awakening came to the American people that our nation had energy problems. It was then that the Arab embargo came upon us suddenly, following which people waited in long lines at gasoline stations, and this, the people understood, but the reason escaped most people. The Arab boycott was merely the Underdeveloped Nations serving notice that oil from their nations, would be at a price fixed by them on their terms.

From that day on, things really changed, and any chance to continue a supply of cheap energy in any form ended. What emerged, besides high oil prices, was the realization that the United States as a nation was in trouble in supplying its own energy needs from domestic sources. And, its defense posture was severely threatened.

President Nixon responded by establishing "Project Independence" and the FEA, Federal Energy Administration, was established. It has accomplished nothing but confusion.

The politicians, are still looking for someone to blame for the shortages and the high prices. Their immediate response is to break up the big oil companies to bring down prices and exact greater competition. Such actions, in my opinion, would have the opposite effects. Prior to the uprising of undeveloped oil producing nations, it was more profitable to develop new oil reserves abroad. The tax benefits (voted by Congress), the absence of environmentalists, the absence of labor problems, and the access to relatively unlimited reserves, dictated foreign operations.



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Now, some want to take punitive action against the big oil companies for having done this. The problem lies with the United States government for not having a national energy policy. Our depleting domestic reserves in both oil and gas and our dependence on foreign oil were well-known to all.

I have no interest whatever in any oil company, but when something gets as big and as complex as the oil industry, it is easy to lose sight of what it does.

First, there is the acreage, costing millions of dollars. It will then take a 30 million dollar rig to drill the discovery well. The kind of equipment that can stay on location in 800-feet of water atop a dangling string of pipe and complete a deep exploratory well in the roughest seas in the world. Next, a production system needed to develop the field. Maybe it will be a 900-foot tall steel platform, lowered to location, and up-ended, using a sophisticated control system and a fleet of supporting equipment, which is then nailed to the ocean floor or maybe a sort of Jules Verne-ish sub-sea system, with remote manipulators and submarines. Then comes either a pipe-line or tanker-loading facilities, either of which will require some of the largest, most sophisticated equipment imaginable, to say nothing of the service boats, helicopters and countless other things.

But, the really big factor is PEOPLE.

Yes—people with imagination to invent. People with talent for turning patent drawings into steel—people with skills to operate complicated gear. People with guts to take chances and handle unexpected problems. Engineers and geologists with a continued curiosity about the formation, the ocean environment, the earth's crust. If we break up these teams, energy will be all the more expensive.

O. K., we've got problems with energy. So what can we do?

First of all, we must conserve what we have. Conserve waste heat, insulate, etc.

Secondly, we must utilize the 500-years of coal reserves existing in this country.

Third, the production of gaseous and liquid fuels from coal must be encouraged. Coal gasification is a MUST!

Fourth, we must develop the outer Atlantic continental shelf. The country, and particularly, New England, need the oil or gas or both believed to be located in the Georges Banks area. There is a stratigraphic hole now being made in Georges Banks.

Fifth, natural gas must be de-regulated in order to provide the incentive to develop more reserves. The artificial pricing of new natural gas at the equivalent of a \$2.50 barrel of oil is ridiculous.

Sixth, we need to resolve the issues in the production of energy from nuclear sources. We need plants like the proposed Charlestown nuclear plant.

Seventh, we need LNG terminals in proper locations approved by knowledgeable people, without the emotionalism of politics or uninformed minorities.

Eighth, development of solar energy, geothermal and hydrogen—there is now, some, but what exotic forms exist must be perfected in order to provide supplementary energy.

Ninth, a complete change in life-style may be required, such as smaller cars, and houses and buildings designed to maximize the use of the sun or limit air-conditioning requirements. We Americans will eventually take this seriously, but it's not happening right now!



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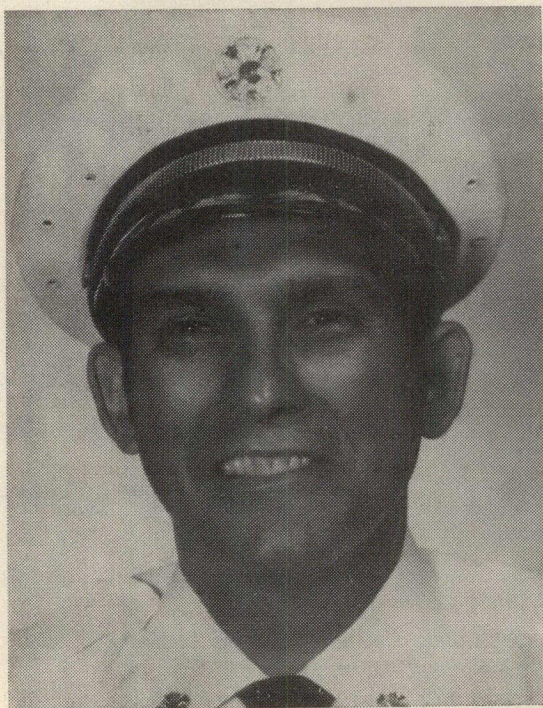
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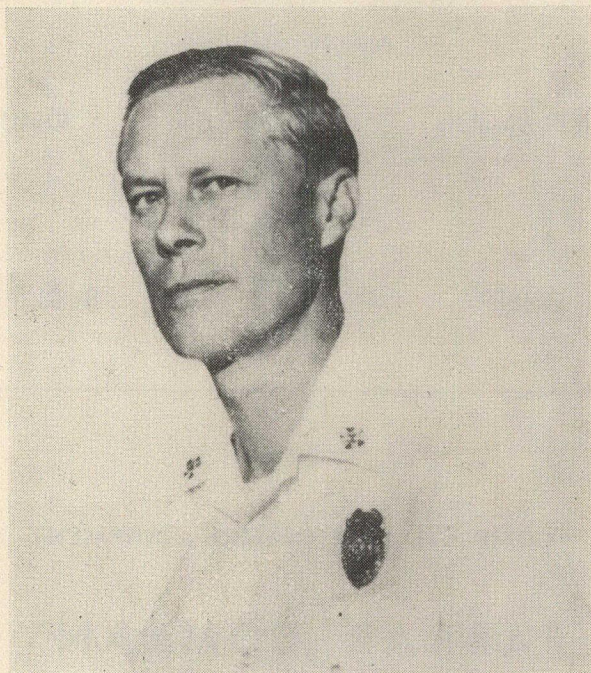
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To conclude, let me leave you with a few truisms as I see them:

1. Energy will never again be cheap, in any form.
2. Energy costs will continue to rise in the years ahead. Supply versus demand.
3. Our energy independence is impossible in the short term, say, ten to fifteen years, and it is doubtful in the long term unless there is a change in life-style forced by a national energy policy.
4. Energy will be the largest single problem of the next decade for this country. It directly affects jobs, the general economy and our way of life.
5. No single energy form can do the job. We need to develop them all, and with the greatest of haste.

MODERATOR CAPPELLI: Thank you, Mr. Hampton. Are there any questions that you gentlemen have to ask our good speaker?

QUESTION: Can you explain what you mean by "Georges Bank" and how it is going to furnish energy at sometime?

MR. HAMPTON: Georges Bank is some 240-miles out in the Atlantic Ocean, beginning about at Cape Cod; that is, beginning about 75-miles off shore, and it runs out about 240-miles. It runs north towards Nova Scotia, and it takes in a big area, there, involving Canada, whereas the lower portion involves Cape Cod, in Massachusetts.

The nearest point in any off-shore drilling would be probably 75-miles off-shore. There is no geophysical data on that. However, all of the activities will be beyond the 240-miles that I have spoken about. It is more of a navigational problem than of anything else, I believe.

CHIEF JAMES L. GROTE of Connecticut: First, Mr. Moderator, I want to compliment this gentleman who has come here and has explained something to us that no one has been able to tell us. This man has given it to us off-the-cuff, and he has told us, point-by-point where we are going and what it's all about. And I want to hand you a compliment on that, Mr. Hampton. Many times, we have some good speakers, with a good bill of goods, but when they leave, we know less than when we began. Again, I compliment you! [Applause]

And now, I have a question. Can we look forward to some day when gasoline will be \$1.00 a gallon?

MR. HAMPTON: It is slowly moving upward; it's 55-cents and more right now.

CHIEF GROTE: And, all indications are that it will go up rather than down?

MR. HAMPTON: Yes. If oil gets more and more scarce, as well as its derivatives, then the gasoline prices will do likewise, and gasoline will be moving up towards \$1.00.

CHIEF GROTE: Thank you very much.

QUESTION: I want to ask a cardinal question. When will we be getting 100-miles on a gallon of gasoline?

MR. HAMPTON: Some of the best technical brains develop and they try to push an engine to 100-miles on a gallon of gasoline. However, I think that a motor cycle will get only 35 or 40-miles or thereabouts. So you are never going to do it.



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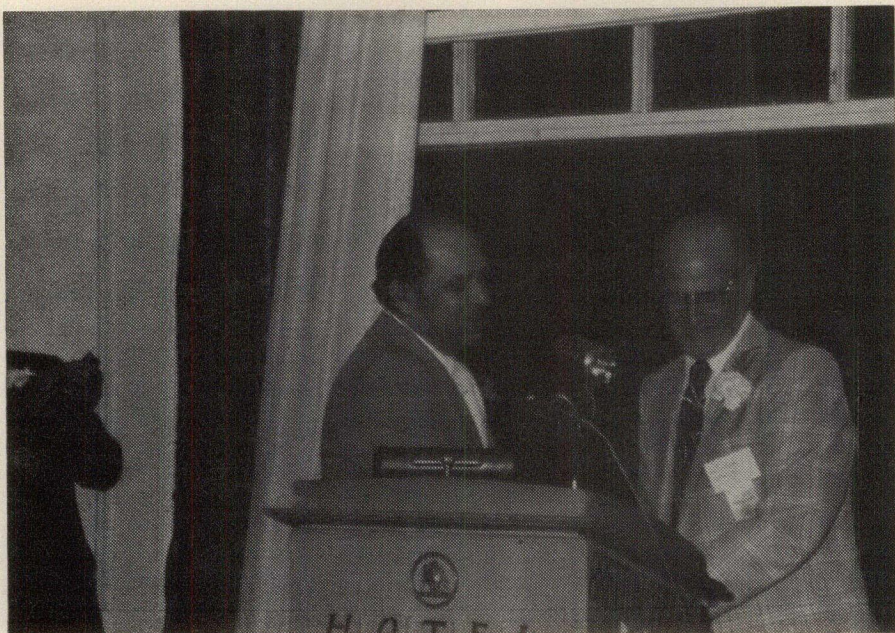


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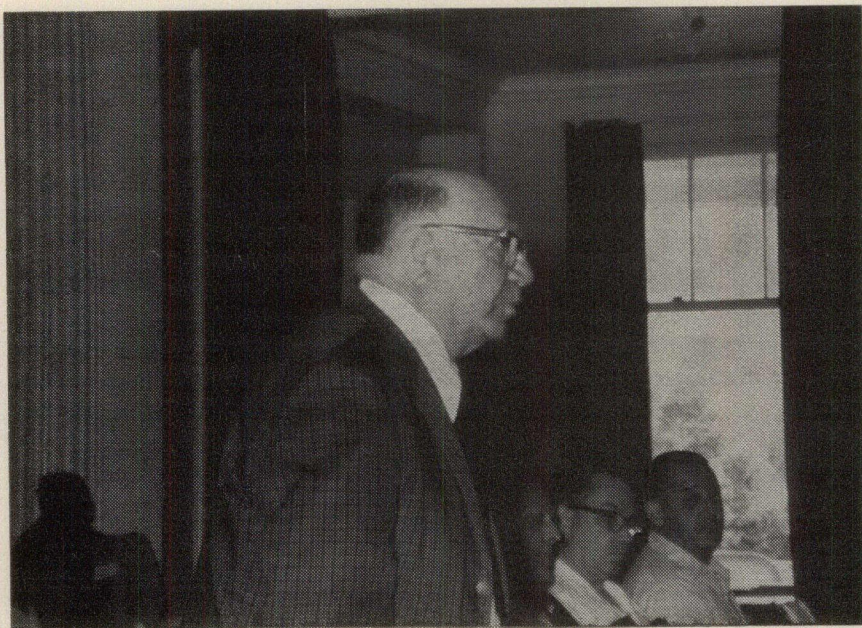
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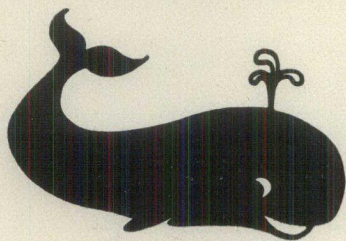
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Therefore, it gets down to that point where physics come into play, and also chemistry and efficiency.

MODERATOR CAPPELLI: Are there any further questions at this time?

QUESTION: I would like your opinion on a refinery located in New England.

MR. HAMPTON: A refinery must come to New England. We are so dependent, up in this part of the country, that it seems kind of silly that we don't get a refinery in here somewhere in New England.

It seems to me that in Europe, when it is decided that a plant is needed, let us say, an atomic energy plant, it goes up.

PROGRAM CHAIRMAN LEDDY: At this time, has everyone got a ticket for the drawing?

[The drawing then took place, the winning number was 098,616.]

PROGRAM CHAIRMAN LEDDY: Gentlemen, may we have your attention, please? It is now my pleasure to introduce to you your Moderator for this portion of the Program. Chief Eugene Boivin of Rumford, Maine, has been in his Department for fourteen years, with two years as Chief, and I now introduce you to your Moderator, Chief Eugene Boivin, who will introduce you to our next speaker. Chief Boivin!

MODERATOR BOIVIN: Thank you, Gentlemen. Our next speaker, Dr. Carl W. Irwin of Bangor, Maine, is a native of Harrisonburg, Virginia, and he was educated in the public schools of that town.

He is a graduate of the University of Virginia, with post-doctoral studies at the University of Virginia Hospital, Albany Hospital in Albany, New York City, the Boston City Hospital and the Lahey Clinic in Boston, Massachusetts.

His Fire Service resume is just as impressive as his medical service. He started as a Volunteer, back in Harrisonburg, where he has been an Honorary Life Member since 1972. His Fire Service in Bangor goes back to 1951, where he has been active as an auxiliary and as an active Fire Fighter.

He serves as Association Surgeon for The New England Division of the International Association of Fire Chiefs, Inc., the New England Association of Fire Chiefs, Inc., and the Maine Association of Fire Chiefs.

It is now my pleasure to introduce to you Dr. Carl W. Irwin of Bangor, Maine, who is going to speak to us on the subject of "The Fire-Medic in the E. M. S. Plan."

## THE FIRE-MEDIC THROUGH OBJECTIVE EYES

By CARL W. IRWIN, M.D.

During the past several years, the Fire Departments of this country have become increasingly involved with emergency and even routine care of medical cases. This

has been spurred on by an exceedingly effective television program, public demand, awareness by the public of the need for such services, and the availability of a certain amount of money for the implementation of this type of service.



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At the same time, a parallel service has grown up, both paid and volunteer. The time has come to appraise the current situation of the Fire-Medic in terms of objectives. These objectives cannot be those just of the Fire Service, but must include the objectives of the governmental agencies and of the general public or consumer.

At the first glance, the objectives seem similar, such as service to the public, adequate emergency response, cohesive care. However, on closer examination, it seems that we are talking about integration of two separate services which are not necessarily mutually compatible. This Article is designed to raise questions, rather than to provide answers.

It is only the Fire Service itself that can ultimately decide if it wishes to have attached to it a different type of service. The success or failure of this integration depends largely on the attitude of the Chief Administrative Officer of a Fire Department. His objectives must be established in order to logically make decisions regarding the inclusion of a medical service within the Fire Department.

The first objective, in many cases, has been improvement of public relations. In other words, this is a service which is desired and admired by the public, glorified on television, and occasionally productive of better budgets for the Fire Department.

The second objective is the very real desire to serve the public. This encompasses an honest belief that the emergency response capability of the Fire Department is better than that of other governmental agencies. The Fire Chief or Fire Marshal is well aware that the service is needed, and can reduce suffering or even save lives.

The third objective is that the Fire-fighter, himself, will be benefitted by the immediate availability of emergency medical services for the injured fire-fighter.

The fourth objective is rather near-sighted, and possibly self-centered in that the Fire Chief feels that he must "keep up with the Joneses." In other words, if it is good enough for Columbus, Idaho Falls and Los Angeles County, we must have it, also.

The other objective of the Fire Chief, whether he recognizes it or not, is one of ego and empire-building. In other words, a larger Department, a larger command and a larger responsibility means greater prestige. A secondary benefit of this is his feeling that perhaps these extra men may be available for Fire Suppression duties.

Moving up the table of organization, we become aware that there are objectives at the next higher level, also. The City Manager, Mayor, Alderman or Councilman has several objectives, too. First, he, too, is aware of the public relations angle and, as a public official, appreciates the value of this. Perhaps incorrectly, he sees this as a cost-saving economy in the management of government. In other words, if the Medical Program can be integrated into an existing service, money may be saved in manpower, quarters and dispatching.

Again, there is always the lurking thought that this may make up for the current shortage of Fire-fighters. In one Department, this has been carried to the extent of uniforming and badging civilians, but paying them somewhat less than uniformed Fire-fighters would receive.

The Administrator, too, recognizes the value of the Emergency Medical Program and conceives it as being a basic need for his citizens.

Last, and far from least, there may be some additional money "coming down the pike" as a result of including this additional service in a Department which is currently available.



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At the State level, the objectives begin to relate to the overall plan for health services. There is minimal incentive and minimal reason for these services to be Firemanic, rather than under some other branch or type of service.

The primary objective is to establish an entry for the sick or injured into the medical system. In other words, this is the provision of personnel and facilities for the emergency case, which is going to be moved along into the remainder of the treatment system.

A second objective is to be certain that the personnel at this medical entry point are truly qualified to do what can be done in the field.

Along with this is the corollary that similar services must be provided, regardless of population densities or geographical areas.

The third objective at the State level is to carry out the program at an appropriate cost—not too cheap nor too expensive.

At the State level, it must be possible to demonstrate the cost-effectiveness of the selected system versus other possible programs. One poorly-understood problem and objective at the State level is a provision of medically-channeled supervision and administrative control. This includes system control from the Medic in the field through the classification and categorization of various medical facilities.

At the Federal level, there are a number of Departments and agencies with objectives in this field. The Department of Health and Welfare is probably dominant, but the Department of Transportation, OSHA, NIOSH and the National Fire Prevention and Control Administration all contribute objectives to the over-all plan.

Essentially, it seems that there is no specific objective in regard to the Fire-Medic versus the other service delivery systems. This is perhaps related to the fact that objectives and the means of obtaining the objectives are known at this level as "policy." Although the Health Services Agency and the State Division of Emergency Services, with its own Director, are very significant in the management and control of emergency medical services, perhaps the most important is the Regional Health Program, established under State Direction.

Basically, this Regional Health Plan contains the Emergency Medical System, of which management of an emergency in the field is only a part. The objectives are quite basic:

First, a system must be implemented—not a fragmented, jigsaw, parochial, hodgepodge of independent agencies.

Second, this must be supervised and medically directed, and this direction involves all components of the Emergency Medical System, with standardization of services and qualifications of equipment and personnel.

Third, the objectives of the Regional Plan are to include the handling of the patient from the street, home or factory; assignment and dispatch of emergency medical personnel, equipment and ambulances, and selection of appropriate destination facilities.

Fourth, the fourth objective of the Regional Health Program is the most worthwhile utilization of available funding.

There are many other groups and organizations with objectives of their own. Obviously, the Fire-Fighters' Union has objectives, also. These objectives include an



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organization appropriate for inclusion of Emergency Medical Personnel, along with other Fire Department employees in their Locals for the usual reasons.

The Educational System also has a stake in the implementation of emergency services with objectives, including more teachers, more influence, more money and more service to the community. Basically, however, it is rather irrelevant whether this is done through the Fire Department or not.

The Council of Fire Service Organizations does consider the Fire-Medic as a Fire-Fighter. Here, the objectives are reasonably concrete. The Fire-Fighter who is assigned to Medical Services must remain a Fire-Fighter, and he must have all of the salary and promotional availability that is accorded Fire-Fighters who are involved in Fire Suppression.

At the present time, the Fire-Fighter Professional Qualifications Committee is preparing a standard which almost certainly will be utilized in the evaluation of the capabilities and training of the Fire-Medic. The local and State Medical Communities are also involved, but the objectives from this segment are surprisingly poorly defined.

Basically, the objectives are the assurance of quality medical care of urgent medical problems in the field, and, secondly, safe transportation to the appropriate medical facility.

The Fire-Medic, himself, has been deliberately left to last, as his objectives are certainly most important of all. In order to establish these objectives, we must first define Fire-Medic. By definition, the individual must be a member of the Fire Service. It is my own personal feeling that he is "Fire" first and "Medic" second. In other words, he must consider himself a functioning member of the Fire Service, rather than an appendage which has been hung on to the side of the Fire Service. His status should be equivalent to that of a Fire-Fighter who has been assigned to investigation, crash rescue, training or other sub-specialty within the Department. As a Fire-Fighter, then, he has a number of objectives. The first of these is related directly to the duties at hand. He has the objectives of not only adequate education and training, but adequate experience in the field of Emergency Medical Service.

The problem is arising, now, of individuals who lack one of these three factors and, while enthusiastic, many are dissatisfied with the work as it is visualized. This is particularly true in regard to obtaining adequate experience. Without this, much of the education and training is not only wasted, but results in progressive deterioration of abilities.

The second objective of the Fire-Medic is that of acquiring status and pride related to his assignment. He must be aware that he has been assigned to the Emergency Medical Services because of ability, rather than lack of ability. This, obviously, implies acceptance of his type of work by other Fire-Fighters.

The last and very significant objective is his place in the promotional scale. Unless he can be promoted in the Medical Program, or by transfer back to the Fire Suppression forces, he has essentially reached a "dead-end."

Many Fire-Medics are deliberately remaining in that program, rather than transferring back to Fire-Fighting, because of their liking for the service and their ability to do their work well; however, the time eventually comes when promotion, with the attendant salary increases, becomes more important.

This Article began with a discussion of the objectives of a key person in the chain of Command, the Fire Chief. The questions, therefore, must be addressed to the Chief



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Administrative Officer of the Department. These are the questions that must be answered:

1. Do I want the Fire-Medic to serve just Fire-Fighters or the general public?
2. Am I willing to accept external control of training, education, qualifications, philosophy and dispatching? Can I accept the Regional approach to these?
3. Am I willing to accept the integration of two basically different public services?
4. Am I willing to accept the concept that the Fire-Medic may move freely into the promotional ladder of the Fire Suppression Forces?
5. Can I or should I disassociate the Rescue Function from the Fire-Medic Program? Or, as a corollary to this, give up the Rescue Function to the Fire-Medic Program?
6. Am I willing to accept responsibility for the training, education and experience of this additional service?

And, finally, do I want to also supply any type of non-emergency medical care?

No author should leave his reader with the feeling that the author has withdrawn into either an ivory tower or a shell; therefore, it seems fair that I give a brief statement of my own personal feelings.

First of all, there is a need and a demand for Emergency Medical Service. These services are being planned or provided at the present time by Fire and by Independent Groups.

There is a strong place for Rescue Services, provided by the Fire Department, and possibly the Fire-Medic can relate to this program.

As I have said, there is a place for the Fire-Medic; however, I feel that this should essentially be that of serving the Fire-Fighters and the other victims of the Fire situation, rather than the public-at-large.

And finally, the entire situation of integration of separate services into one Command Unit seems just as unrealistic for the Fire-Medical Integration as for the Plan of total Fire-Police Integration.

MODERATOR BOIVIN: Thank you very much, Dr. Irwin. Are there any questions that any one would like to ask Dr. Irwin?

QUESTION: You were going beyond a one-hour course. Do you feel, in your own mind, that it is fair for a man who has completed all of this, and he's good, and I'm not just saying average, to have that taken away from him by putting him back into the line of service, because he can make it to Lieutenant, or Battalion Chief?

DR. IRWIN: That is an excellent question, and I would like to clarify this. There seems to be very little promotional attitude at the moment. In other words, I have talked within the past couple of weeks with some people in the medical aspect of this, and they thought that the medical thing looked good. So that my problem is that the fire fighting gets you into the Medical Corps. I agree with you one hundred per cent as to what I like to be in, and this is all a promotional possibility, in a medical staff, as it is in the Fire Department. But, it isn't practical. The average statistics will run probably small enough, in a medical register, to compare the number, and so forth, and it is often possible to make somebody a Deputy Fire Chief in the Service.

But, back to the fire suppression, and it is not fair.

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Incidentally, what we are trying to do is this, and those of you who are involved with this professional qualifications business may be interested in this. I was reading a book the other night, which was published in London about a hundred years ago, and all it stated was that because of the current demand for compensation in the Fire Service, this professionalism comes later, but on this professional qualifications thing that we are talking about, all of this is a set-up in which an individual may go over to one side and become an investigator or become a medic, and then he should go up from there.

Unfortunately, this came in too early for the firemen, but a protected system would make such a thing possible to go back.

Are there any other questions?

QUESTION: In listening to your address, it becomes quite obvious that it means more experience in the Fire Service.

Now, we have three separate services, embracing the Fire Medic [naming them], and we know that the public will be getting better cared for, and the members taking up the service will better serve the public. What about that?

DR. IRWIN: You are talking about the combination of three public services?

QUESTIONER: They are an amalgamation right now.

DR. IRWIN: I feel that it should be a separate service. Frankly, I must admit that I am—let me give it to you this way—as a Fire Fighter, it just doesn't seem to fit into my slot as a Department of the Fire Service.

Incidentally, those of you who are here, you are aware that one of your Chiefs is now implicated with the Police and the Military, and theoretically, he is not unhappy about it; but, I just can't see all of that. I mean that it is an entirely separate subject. And as to all of the emergency services under one head, I do object to that.

Are there any further questions?

QUESTION: Why wouldn't it be more appropriate for the Emergency Medical Services to be integrated with the Hospitals, where these people were last summer, in several hospitals connected with the University of Florida? There, the services spring from the hospital. These people work in the Emergency Room, and the Chief works in the Emergency Room, and there are two teams on duty all the time. The other team works somewhere else in the hospital. Then, if the first team goes out, the second team is called to the Emergency Room.

And, this seems to be a far more practical thing, to me. Here, they can go out and do their work in the field.

And, when they are bringing people back into the hospital, they can work along with these people in the Emergency Room.

DR. IRWIN: I can only say that you have stated the thing much better than I could have done. I agree with you.

QUESTION: There has been a lot of talk about the program of school books. On the negative side, I would like to say that there are laws, and the schools are being regulated, and the Fire Department must do this, and that, and so forth. And yet, the communities do not know about these things. Either it is being handled by the Police

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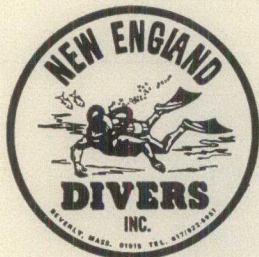


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Department or the Government. [Comments left out at this point because of not being understandable to the reporter.] What can be done about this? How can the government take a Town, or a Fire Department, and do that and not do this?

DR. IRWIN: I am not up on your State Laws, and I don't think that there are any Federal Laws that govern this, although your Health System Agency can make these rules and regulations.

But, to answer the other part of your question, they do just the same things that they have done with the Ambulance Service. In other words, they can use the authority of the County government, and believe me, but it is a financial system, right down the line, and this is what we all understand, X number of dollars are available, and you need to see that some of that goes to John Doe, and you cannot do all of that.

I appreciate that there are no Federal Laws on this.

And now, getting back to your other part of the question, regarding the promotional policies, that is a serious question. But, your State Department gets into this matter of furnishing programs on it, and they should do it.

CHIEF JAMES L. GROTE of Connecticut: You know, I get quite a bit involved with OSHA, and I go into a small hospital or a convalescent home and I find that OSHA will come in, and yet they don't have something better. But they will say that they have the equivalent, and here is where they stand.

I, for one, don't accept the equivalent. But, if the government says: "We have got something better," then that is it, and they have got to supply it.

Getting back, now, to the Rules and Regulations and Laws, and I am now referring back to my friend from Massachusetts, that is the thing that concerns me, so be very careful about "too much better," because many times they don't have the right answer.

I believe that the Federal Laws, provided that they are within reason, can be adhered to. What I mean is that some of the men will come in and say: "We represent OSHA." And they will throw the book at you, which means: "Comply or else."

I am one of those individuals who thinks that sometimes their laws are better than our State laws, and when it comes to our lives and public safety, that is my problem.

MODERATOR BOIVIN: Are there any further questions?

DR. IRWIN: If there are no further questions, may I say that I am very appreciative of your having me come here today to talk to you. I was here five years ago, and some of you may remember that talk. I think that this one will be published, also.

I know that I have talked about objectives all up and down the line today, and I was talking to Jim Grote about them, and Jim said to me:

"Well, after you are in the Fire Service as long as I have been, you have something to tell us!" [Applause]

[The drawing for attendance was then made, and the winning number was 098,625.]

PROGRAM CHAIRMAN LEDDY: This meeting is now adjourned until 2:00 o'clock P.M. this afternoon.

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## **TUESDAY AFTERNOON SESSION — JUNE 29, 1976**

The Tuesday Afternoon Session convened in the Ballroom of the Hotel Mount Washington, Bretton Woods, New Hampshire, on June 29, 1976, at 2:10 o'clock P.M., with Program Committee Chairman Leddy opening the meeting.

**PROGRAM CHAIRMAN LEDDY:** It is now my pleasure to introduce to you the Moderator for this afternoon, Chief Charles Scheer of South Kensington, Connecticut. Charlie has been Chief for fifteen years, and he has been seventeen years with the Department. He is presently the First Vice-President of the Connecticut Fire Chiefs' Association, and he is a Past President of the Hartford Chiefs' Association.

**CHIEF CHARLES SCHEER, Moderator:** I am glad to be here as the Moderator of this Program, and at this time I would like to introduce our first speaker, Mr. John Romanow.

Mr. Romanow is presently the Director of Labor Relations for The City of New Haven, Connecticut. He is responsible for negotiations with all municipal groups, including a 500-man Fire Department.

He was formerly employed by The Connecticut Conference of Municipalities, as Director of that organization's Labor Relations Program.

His previous experience was with the New York City Office of Labor Relations.

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**JOHN ROMANOW**

**Director of Labor Relations**

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There are four States in New England which have some form of binding arbitration regarding their Fire Departments. I think that the Legislators felt that this would be a panacea, but I do not see any panacea at all.

The reason is the decision is taken away from the people in charge of the service that is given to the public. The Massachusetts Statutes are rather vague. If an offer of arbitration is made, the unsolved problems go to the arbitrator. In practice this does not seem to work at all. There are areas which are traditionally reserved for the Fire Chief or the City Manager but under this process the final binding decision is made by one who is not accountable in this respect.

In Rhode Island arbitration is required after thirty days but much time is allowed for negotiations.

In Connecticut the Arbitrator looks at the issue from both sides, after looking at the last offer. This allows for trading. He may go along with the wage issue and he might be able to give something to management. I think that there is great potential there to make the collective bargaining concept work.

How do you deal with this problem if you are in a jurisdiction which provides for compulsory arbitration. I think that management must go into the process with a certain amount of control over your operation and determine not to give that up in spite of arbitration.

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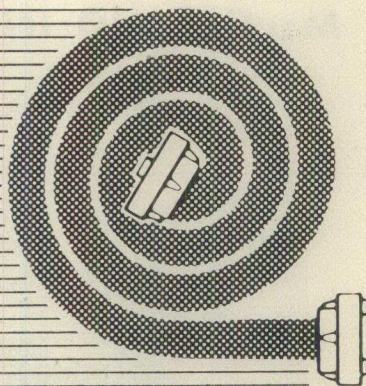


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The Fire Chief should be there as part of the team, although he may not be the main negotiator. In Connecticut I welcome Chief Sweeney in negotiations. He lives with the contract; he administers it in a partnership level; he knows his problems and he knows when changes need to be made.

There should be a lot of advance preparation. You must think of ways in which the service needs to be changed or improved. You must determine whether demands will liquidate the Fire Services. When you have set these matters down and approach the union representative, he may be disturbed but it creates a situation in which dialogue is called for, considering the problems on both sides rather than merely considering union demands. In the latter case, there is no give and take, and the result is all "give" by the City.

In some cases you may make concessions in the hope of obtaining cooperation from the other side, but always reserve your right to withdraw that concession if it fails to get cooperation. So always, protect yourself.

There may be a manpower problem. How many men are going to be on a fire truck. There is no requirement in most jurisdictions on this matter. There is something to be gained and something to be lost. On the other hand you might be trying to get the union to think of preserving what they have rather than break new ground. This is effective at times.

The cost must be considered. This might mean loss of manpower. Having studied this you can say, "This is what this is going to cost."

If a tax increase is required, check to find if this is possible. If not, that helps in the deliberations. By preparation you go in knowing what you want to achieve and you are prepared to listen to the other side and possibly be persuaded. This provides give and take which is good in that an agreement may be reached. The hardline approach will probably result in binding arbitration with the final decision being made by a third party. The terms set by him may not be right according to your standards.

I would like to touch on my experiences in Connecticut. I started in New Haven on March 16, 1975, fifteen days after the mandatory date set out in the statute. I had no idea what was going on in New Haven. I had no preparation; no staff and several unions were waiting for bargaining sessions. I wanted to keep things moving and avoid a break down. I asked the Mayor and Financial Board for a tax increase. The budget did not include anything for collective bargaining for this year. I wanted long term contracts so that I could work out a labor relations program.

Preliminary hearings were indecisive. The Chief suggested the elimination of one truck as an economy measure. One truck in a residence community with few fires and few calls in recent years could be eliminated with cover-up provisions. At a meeting we were asked to change recommendations; the Mayor suggested some; as did the Finance Board and the Board of Aldermen. With this type of pressure the union was faced with the loss of thirty-six men. So finally we negotiated a contract with no layoffs for one year and a three year contract.

A municipality always has the right to lay off people. In Hartford after about one year there was a proposed increase of 16% all down the line. The Fire Fighters rejected it. They went back to arbitration and got 9 or 11 percent. The city could not pay and the result was loss of jobs. They voted for it and got it.

**MODERATOR SCHEER:** Thank you, Mr. Romanow. Our second speaker is Robert Hutchinson, Town Manager of Plainville, Conn. He holds B.A. and M.A. in Business Administration. He speaks on "Compulsory Binding Arbitration in Connecticut. Implications for the Delivery of Fire Fighter Services."



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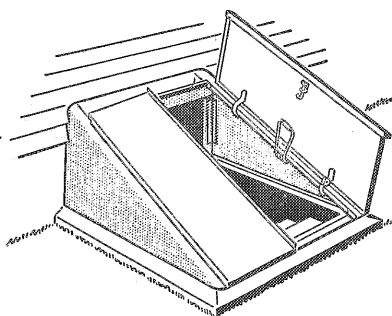
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I present to you, Mr. Robert Hutchinson. [Applause].

MR. ROBERT HUTCHINSON: I will be brief. I work for both Volunteer and Paid Departments. We have been in collective bargaining since 1955 and it is a very helpful process for all concerned. It works reasonably well but some changes have to be made for the Fire Department. When you get to the bargaining table the least that you can do is to listen to the other side. You cannot have bargaining, a strike and everything else.

In Connecticut most Towns settle their contracts. I bargain in good faith trying to get a good contract but sometimes I fail. If a Fire Chief tells me that he cannot do the job with the money provided I agree if he is doing a good job. We are all inefficient and cannot do a great job but working together we can try to do a greater job. If you are good managers you just cannot afford to consider only your side of the matter. That is not the way it is done. Thank you.

\* \* \* \*

### Summary of Questions Which Were Understood

CHIEF GROTE: In Connecticut we have 33,000 in the Fire Service and only 3,000 paid. In New Haven there was a recent tax increase of over 4½ mills. We also have a tax base which is shrinking. New assessments are coming two years hence.

We just cannot afford increases that the Fire Fighters want. You either raise the tax or reduce the service.

CHIEF McGOULDRICK, So. Portland, Me.: If you lay off men, the service is reduced. The Chief has little to say about wages and benefits. In such a case I think that fire losses will grow and I wonder if insurance companies should not get involved in this picture.

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## WEDNESDAY MORNING SESSION — JUNE 30, 1976

The Wednesday Morning Session convened in the Ballroom on June 30, 1976, at 9:30 o'clock A.M., Chief V. Paul Leddy, Program Chairman, presiding.

PROGRAM CHAIRMAN LEDDY: Our first order of business this morning is the introduction of our Moderator, Chief Forest Goodrich of East Longmeadow, Massachusetts. Forest has been a Chief for eight years, and he has been twenty-five years with his Department. He is President of the Hampden County Fire and Mutual Aid Association, Treasurer of the Western Massachusetts Fire Chiefs Association, and other organizations.

At this time, it gives me pleasure to introduce to you your Moderator, Chief Forest Goodrich!

MODERATOR FOREST GOODRICH: Thank you, Chief Leddy.

Our speaker, this morning, is Martin E. Pierce, and he has been a Boston Fire-Fighter for the past thirty-three years. He is a Past President of the Boston Local International Association of Fire Fighters, Past President of the State Fire Fighters,

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and, for the past eight (8) years, he has been a Vice-President of The International Association of Fire Fighters.

It is now my pleasure to introduce you to Mr. Martin E. Pierce.

**ADDRESS OF MARTIN E. PIERCE**  
**Vice-President, International Association of Fire Fighters**  
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Mr. Moderator, Chief Leddy and all of you gentlemen who are attending the 54th Annual Conference of the New England Association of Fire Chiefs, Inc.

I appreciate your kind invitation to our organization, the International Association of Fire Fighters, to address this important regional conference of the Fire Chiefs. Our President, Howie McClennan, had hoped to be here in response to your invitation. However, a very busy schedule has made it impossible.

Therefore, let me say to you that I shall, to the very best of my ability, be substituting here for the General President. I know that many of you are disappointed that he could not come here.

I can only say that I have spent the best part of my adult life in a profession which I love and of which I am very proud. I am no different than you are, for I am very proud of my profession.

Our Moderator has already offered you my credentials, so that I do feel that I am qualified, in some respects, to come here this morning to talk to you and your leadership.

I stand here this morning as a Boston Fire Fighter, and I would be remiss if I did not recognize a member of our Department who is a participant here this morning.

I have known George Paul for the last twenty-five years. He is a dues-paying member of our Local Union, and up to this point in time, I have seen him in a variety of roles. I saw him as the Chief of our Department, responding to the Hotel Vendome Fire, when he took off his rubber coat, and I was corrected for this last night, because they now call it a Fire Coat. But, he took off his rubber coat and he went all around, digging for the bodies of our men who lost their lives. I have sat at the table with him when he urged police protection for the Fire Companies in our City, and for the protection of our men and officers against harassment. So that I am speaking for two thousand (2,000) Fire Fighters in the City of Boston, all through the ranks. George Paul is now serving us as Fire Commissioner in our City, and we are proud of him!

In my role as an International Officer, for the past eight (8) years, organizing is one of my major functions, and in the past twenty (20) years, in the New England area, we have never sought the franchise of a Fire Department where we have not extended an invitation to the Fire Chief of that Department to participate in the meetings of the various organizations.

I further submit to you, respectfully, that it has been our position, when we hear the old concept about getting even with the Fire Chief, that this is not the function of a local Union in a Fire Department.



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When they recently spoke of the lowering of our standards to accommodate the minorities, that was something else.

The program of the International Unions involved would cause to recruit and prepare the minorities to meet our levels of the examination. And yet, most recently, in the Commonwealth of Massachusetts, there was a very dramatic action taken by the Division of Civil Service, in lowering the passing percentage from 70 per cent to 35 per cent.

So that if my sons came home to me from those examinations with a 35 per cent, they would get nowhere! I think that our profession deserves the very best qualified candidates who are available. Don't tear down our standards to accommodate the minorities; let them be judged, rather, by the same standards that we have.

I recently had a study made of the minority standards, by which they come into our profession, and right here I would like to make a cursory examination of the strikes that have occurred throughout the United States. You may say that they are unheard of, but we have had our share of them in the United States and Canada.

I would like to submit for your edification a composition of our adversaries, and I am talking about the City Managers and the Mayors; this is a proposal submitted by the Mayor of the City of Kansas City, and he proposed a resolution at a National Conference of Mayors seeking a Federal Grant. To prepare a combat team of some sort, and trained in the expertise of Fire Fighting and/or Law Enforcement, and if a major urban city were to go into that, then this Task Force would be imported and in my judgment, they would be in the role of scabs, to break a strike.

The alternatives that I submit here, and most of you are familiar with them, constitute a meaningful collective bargaining statute, but a meaningful collective bargaining statute with a vehicle of resolutions. Now, these resolutions can be final or binding, and they can go to arbitration.

And even these alternatives which, in my judgment, reflect responsible leadership on the part of the Unions, are being challenged. Many of our strikes, and I would say all of them that have occurred in these United States, have been in jurisdictions where there has been no collective bargaining law.

And now, I would like to come back to the subject of unprecedented pressures, for budget cutting.

As you know, we have been in that very deep depression, and we all know the impact of this recession and what it means to our City Governments, as well as the mood of the voter and the taxpayer.

I should like to talk about a modern tale of two cities—that of New York and St. Louis. They are a thousand miles apart, and they vary in size and make-up, but they have one important thing in common: Both have cut their fire services to the bone, and both of these cities are living in considerable danger.

New York has closed fire houses, and they have cut down the number of men in the companies, and they have also lengthened the response times for alarms. So that the thing that concerns us is the matter of injuries among fire fighters, and these are increasing, and property owners are not getting the kind of fire protection which they formerly took for granted.

Now, perhaps some may say that there was no alternative, and that with the kind of fiscal crisis that swept New York, no other path was open to the city fathers and the bankers who stand behind, threatening them.

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In the State that I come from, the Professional Fire Fighters of Massachusetts and the Massachusetts Fire Chiefs Association have worked out a rapport which I feel is unique. When a problem arises on either side, there are liaison committees of the Professional Fire Fighters and the Chiefs Association where we can consider such problems, and I am pleased to report to this membership that our experience for reaching a common ground and the resolution of problems has been great, and we are certainly proud of this accomplishment.

There are problems which have a common interest to both the Fire Chiefs and the organized Fire Fighters in the New England area, and the most paramount one that has reared its ugly head is the budgetary problem, and we have all felt the impact.

The second one, of course, flows from the Budget adoptions, and that is the possibility of a reduction in the numbers of our organization, and the acquisition of companies, and, yes, in some parts of these United States, there are even considerations of a reduction in rank.

These are most difficult years for all of us who have devoted our careers to promoting the best interests of the Fire Protection Services. Yes, we have been in a very deep recession, and the impact of that on city governments and on the mood of the voters and taxpayers is well known to all of you. There has been unprecedented pressure for budget-cutting, and for serious and permanent inroads into the operating effectiveness of Fire Departments.

I fear that many communities have not yet realized that they cannot be safely half-protected from fire.

Thirty-three (33) years ago, when I was probationary Fire Fighter, there was a man ahead of me who told me that when we had the depression, there was a cut-back in salary, but there were no layoffs.

Now, this is something that is brand new to the Fire Service, not only in the northeast section of the United States, but across the width and breadth of the nation.

As to Pension Reform and Refinement, we have been very, very fortunate in the northeast section of these United States to legislate and to cover the professional Fire Fighters and Fire Officers in a complete fashion. We do have some fine pension benefits, and they stand to be challenged, now. The city governments, Gentlemen, are ready to lay the financial crutch of our communities at the doors of the Fire Fighters' Unions, and all of these things tend to come to us through the crisis in the City of New York. Then, we had the President of these United States saying to the proper officers of the City of New York that a Stipulation for financial aid from the Congress and the Federal Government would be predicated on the re-negotiating of the Contract in the City of New York, for pensions, which are negotiable in New York City.

And, we might also recognize that the Congress of these United States is now looking at Pension Systems, in the public sector. They have already addressed them-

selves to and legislated an Act, which controls the private sector for Pension Reform.

The next major thing that we are being confronted with is that of the Federal Court Decisions. We hear this talk about minorities and about the one on one or the three to one, but the thing that troubles me, is the placing of the standards of our profession in jeopardy.

Our International Union, through a Federal Grant, has embarked on a program to recruit minorities, and the very purpose and the crux of this program was to cause to elevate these minorities.



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And, some of you may have heard that back in March, the City of St. Louis was struck by a major fire, a general alarm fire of such dimensions that it required the response of every piece of equipment in the City, and every active duty Fire Fighter who was available. And, because of the economy, nothing was left to reserves.

Fortunately, however, this story had a happy ending. The Fire Department put out the fire, and they did so just about an hour or two before a second fire was within five (5) alarms and broke out in another section of the city.

Nothing was left, I might say, and I wish you all a good year, especially Chief Brock in the western section of St. Louis. The timing was for opportunity, when both fires struck the City of St. Louis at the same time. Reducing the manpower would have been insufficient to handle both of these fires.

In the St. Louis City case, under those circumstances, the City of St. Louis would have been destroyed by fire. This "Tale of Two Cities" may cover that we are playing with fire, but we are saying that we are "reallying with fire." Now, that is, perhaps, too light-hearted an expression, but we, in the International Union, feel that it fits the situation. We know what is happening. I am sure, and I think that you do, too.

Putting it simply, in all too many communities, the manning policies of the Fire Department have dropped down below the minimum standards, and the results begin to show up in more frequent and serious accidents to Fire Fighters, in rising fatalities, and in higher property losses through fire.

And, by the way, why is it that with their manpower cut down, so many cities continue to waste time and endanger men by trying to put out fires in empty derelict buildings in run-down or isolated areas?

Why should we assume that these hulks, often a refuge for drug addicts or criminal elements, deserve the same protection as an active industrial or commercial property or an occupied family home? I do not believe that that is right.

If we are re-assessing the size and shape of Fire Departments, then doesn't it make sense to re-assess at least some of our marginal objectives?

The plain fact is that cities can't have it both ways. They can't have first-class Departments while keeping manpower, equipment and training to second-class dimensions.

We are not urging that Fire Departments be cut back to second-class status. That has never been, and will never be, our position. But, when it happens, as it does, then we ought to be struggling to get back to the first-class position, where we belong.

The headlines and the business pages crow with excitement, reporting that the "recession is over." But, if the "recession is over," they surely haven't heard about it at City Hall!

What that means to me is simply this: Fire Fighters and Fire Chiefs have a solid basis for cooperation.

All of us want to see the Fire Service grow, develop and achieve new levels of effectiveness, and new methods of serving the public.

I want to say that most recently, we have published a "Fire Fraternity Report," and this report actually, Gentlemen, tells it as it is, and it tells exactly how our men and officers were killed on the line, and it is a documented, in-depth report, and I,

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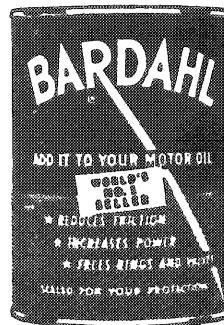
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personally, can vouch for the accuracy of it, and we are getting very many compliments on it.

We join, the International Union, with your parent organization, the International Association of Fire Chiefs, Inc., in telling our story as it truly is.

We may have our difficulties at the bargaining table or in your offices, but we realize, particularly, that we are working for the same objectives, and we recognize the role of the Fire Chief.

The trouble, here, is that somewhere in between the legislation that has brought about meaningful collective bargaining in the northeast section of these United States, you are not a part of management, and you are not a part of the Union, and you are sort of in a state of limbo.

However, I want you to know that contrary to what you might hear in your office that flows from the line companies, the Fire Chief is there. There has got to be a Fire Chief. We recognize that.

And, Mr. Chairman, I realize that sometimes, Union Officers, like Fire Chiefs, when they have the floor, they take advantage of it, and I know that I have gone beyond the time allotted to me. I thank you very much for your kindness to me in every way!

MODERATOR GOODRICH: Thank you very much. Are there any questions at this time?

If there are no questions, I am going to call upon our Program Chairman, Chief Paul Leddy.

PROGRAM CHAIRMAN LEDDY: We will now have the drawing, for this part of the program.

[The drawing then took place, and the winning ticket number was 098,893.]

Gentlemen, at this time, I want to introduce to you your Moderator for the next Program, Chief Merton Dyer of the Peterborough, New Hampshire Fire Department. He has been sixteen years with his Department, and eleven years as Chief. He is a Past President of the New Hampshire Association of Fire Chiefs.

MODERATOR MERTON DYER: Thank you. It is my pleasure this morning to introduce to you Mr. John B. Donohoe, who is the General Sales Manager of the Smith Valve and Hydrant Products Division of the United States Pipe and Foundry Company. He is a graduate of Manhattan College in New York City and, other than service in the Navy in World War II, he has resided and worked in New England for almost thirty years in the water utility field.

He was the New England District Manager for the A. P. Smith Manufacturing Company of East Orange, New Jersey, a producer of valves and hydrants, until the United States Pipe bought the assets and business of the Smith Company in 1967.

He now resides in Birmingham, Alabama, where the United States Pipe and Foundry Company general offices are located.

He is the Chairman of the Water Works Gate Valve and Fire Hydrant Committee of the Valve Manufacturers Association.

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Today, my talk will be mostly on the mechanical side, and I do feel that it will be of interest to many Chiefs in all Departments.

I know that some of you may wonder how a guy from Birmingham, Alabama, wound up in Bretton Woods, New Hampshire on your program. A year ago last winter, at the request of the Department of Public Works in Longmeadow, Massachusetts, we conducted a fire hydrant clinic. Chief Jim O'Brien, who is not here today, of the Fire Department, with some of his people, joined us with the Water Department, Public Works Department and the Fire Department personnel from several Hampden County communities.

This occasion was simply a large-scale version of what, previously, was a "talk-shop" session which we conduct periodically. Jim O'Brien and myself, on the tail-gate of a fire truck. Chief O'Brien and his personnel and myself conducted such sessions several times in years past.

Fire Hydrants had been overlooked in the past, and are an appropriate subject for your agenda, and so here I am with Richard Haley of Woburn, Massachusetts, the New England District Manager for the United States Pipe and Foundry Company.

Dennis O'Brien never let us forget that it was the Fire Department for whom the hydrant was installed, and truly that the fire hydrant was the Fire Fighter's silent partner.

Its primary function is to deliver instantly the required volume of water at adequate pressures, in order to protect life and property when fighting a fire.

Hydrants must be kept in first-class working condition at all times, so that their primary function can be satisfied, even if a complete ban is necessary on all alternate uses.

We did have an occasion to get into the TV media, and the scene was down in Newark, New Jersey. There was this phenomenon on the street, where the city water main was involved, and without authorization from anybody, the hydrant operation ceased and the hydrant was closed. Of course, the newspapers and the TV picked that up and it was stated that various things were going on in the system. Well, the story finally came out that some enterprising kids were coming home from a party and they stuck some fish down there; that seems to be the usual episode.

We have found in reports from the Water Department of July, 1975 that at one time during the hot spell last year, as many as three hundred Providence Fire Fighters experienced a depression of the system, and I might say right here that it is an excellent system. However, there was a tremendous operation and the Fire Department and the Water Department knew that there was a section in the city where the fire hydrants deliver a minimum of 1,000 gallons a minute, through a steam nozzle with 300 gallons per minute, and 18 million gallons an hour.

The problem of opening the fire hydrants of the city was to use a gray pack, which could be put on the steam nozzle when the hydrant is wide open, and they would be

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delivering about 35 gallons per minute in that way versus the 1,000 gallons per minute. When that is taken off, you have one problem that you can solve, but you create another. You can satisfy the main area, and then call in the pumper team.

We did have trouble in the area of Philadelphia with the pressure and the large mains which are about 10 or 12-feet out into the street.

Another little thing that is done in Philadelphia is to take a beer can or a coke can, fill it with water and inject it into the flow of water; that can be terrible.

We will talk a little bit later in this discussion about the matter of the use of the current equipment and the supplementary fire hazard for the hydrants, and the more strict supervision by the police.

I should like to emphasize, as far as the fire fighting is concerned, that there are three areas of responsibility:

1. First, the Hydrant Manufacturer.

To produce a high quality unit of a rugged and proven design — simple construction — easy to maintain and repair — with measurable flow capability, and in keeping with requirements of AWWA C-502-73. All improvements in design and use of material must assure inter-changeability; and, a dependable and continuous source of repair and replacement parts.

2. Secondly, Water Department.

Hydrant installation must be made to a rigidly enforced, detailed specification, and each hydrant tested fully by the utility before going into service. There should be proper depth of bury, adequate blocking, provision for drainage, etc. The hydrant should be pressurized, flowed, closed and observed for drainage. Periodic testing in a formal inspection program should be mandatory to assure that all units are operative, and that is usually twice a year. And, records must be complete.

Hydrants are often abused and damaged during testing and sterilizing.

And, if there ever was a garbage disposal unit, it is the fire hydrant. We test the line. We use the pressures and we do the sterilization.

Incidentally, Richard Haley, who is with me here today, is our District Manager of the Pipe Line Division in Boston, and I know that he will recognize just what I am talking about. We have a lot of trouble with the parafin paper containers, and the milk containers, and they are most decidedly things that cause many difficulties, because the parafin is insoluble. They get thrown in and eventually they are a fire hazard. And when you close the rubber valve, you can be there all day, and you are never going to get anywhere, and that's for sure.

3. The Fire Department is the third area of responsibility. The Fire Department must set forth clearly the specific hydrant hook-up procedure, with or without screwed on outside independent nozzle valves for control of each hose connection.

Procedures and occasion for using truck to hydrant pumper connections to feed multiple hose lines, or relaying from truck to truck, should be known not only to the Fire Department personnel, but to the Water Department people as well.

Firemen should be familiar with the mechanics of the hydrant or hydrants in their system, and no two hydrants are alike.



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As to the basic rules in operating hydrants, if a hydrant is in proper operating condition, there should be no problem in "opening." Arrow on the bonnet indicates "open to the left" or "open to the right."

And I might say that hydrants that open and close too rapidly produce water hammer; that is, those that are too difficult to open and close result in lost time and produce hernias.

Please note that the integral drain type hydrants must be opened 4-6 turns before drain ports close. Independent drain type hydrants do not require more than a half-turn after lost-motion action for the drain to close.

When closing a hydrant after use, if a complete shut-off is not obtained, **do not force** in closing direction. Cycle four or five turns in the opening direction to clear the valve seat and then try again. Uncouple the hose and observe if the hydrant is draining correctly. Replace the cap **hand tight**. This prevents partial vacuum, which will hold water in barrel which will freeze in winter weather. The operating nut, itself, should be **snug**, but not forced to final position. **If a complete closure cannot be secured** and /or hydrant will not drain, the Water Department should be informed, we feel, by radio, with details confirmed later.

Please note that in traffic model hydrants, premature failures of stem coupling will usually not interfere with "opening" — but closing will only be achieved by shutting off the 6" gate valve on the hydrant lateral piping. When the outside barrel coupling of a traffic model hydrant has failed prematurely, the unit usually will fill quickly, but as soon as it is pressurized, it will shut automatically.

Please also note as to how does a hydrant freeze-up?

1. Leaky valve.
2. Infiltration of ground water.

Also, there are dangers of contamination from backflow into the mains. How?

1. Contaminated ground water.
2. Use of toxic anti-freeze, such as Kerosene, Chlorides and Xerex.

If there is no immediate drainage, it could go to the top of the hydrant, otherwise, and it deals with the water, and then you have a freeze-up in cold weather, and you are in trouble.

I was a witness to something in Waterbury twenty years ago, and a lot of people expected ground water in that city. The then Water Department officials had a cure for it. They simply took a couple of cans of kerosene and put them on the back of the truck, and then went around in November and put them in the hydrants.

Now, that was effective, from the standpoint of the solution.

Another place it happened was 150-yards from City Hall. The truck came up and lined up the 2½" hose, with no other connection, but with good pressure. They turned the hose on, and for a minute, it looked like kerosene. There were two things that were wrong. It was obvious, because of the material in the hydrant, but there was a very smart fellow who was coming out of the building, there, and he heard about the kerosene, and he got concerned about contamination. Now, this is important to them. You can take 10-parts a million of kerosene in water, like you can take 6-parts of a million of chlorine, and it doesn't taste very good sometimes because it acts like poison.



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So that immediately, this was put on a rack, and they were told: "No more kerosene." And if and when it is used, it has to be pumped out. That's the way they do it. They just have to prove it to themselves.

Because of all of that, they took those drums, and they took the Xerex and they made a solution; they put the solution in the bottom of the hydrant. This was twenty years ago. But, they should not have done that. The ground water table was still rising, and as long as that happens, well, they have the inspection once a week, and they pump it out.

There are other things that happen to the Fire Fighters, and I am sure that many of you are aware of them. Sometimes they put chloride in to reduce the possibility of freezing. But, chloride has not been used for years, now.

More than that, when a true contaminant gets in and the water main breaks, there is a vent, so that the effect will be rapidly forgotten as far as the repairing of it is concerned.

As to the use of the hydrant to break the vacuum, where the Fire Department and the Water Department or the private water utility that serves the area have a close relationship, both will cooperate to assure that Fire Hydrants will be maintained and ready for use when needed. It is an exception rather than the rule where such cooperation is lacking in New England.

The responsibility of all three parties is awesome. At a clinic held with the Baltimore Fire Department Training Officers' group last winter, a big sign got your attention when you entered the hall:

"What if you had a fire and nobody came?"

I paraphrased this to read:

"What if you hooked up to a hydrant and no water came?"

On March 16, 1975, in Camden, New Jersey, there was a bad fire. I read about it in the New York Times. There was a picture and an article about the fire, and the picture is taken from the back of a fire hydrant, and the Article states that eight (8) people died, a mother, father and six (6) children. There was no water in the fire hydrant.

To be absolutely fair, and fair enough to make the story flamboyant in the Article, the Chief came to that place and he made the statement:

"Even if the hydrant had any water, it probably would have been too late."

Then, it was said: "Plus, you had better consider the fact that if they had gotten the alarm sooner and had gotten on the scene sooner, a different result might have been had."

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The hydrant is only one component involved. The Underwriters and the current AWWA C-502 specification set forth a uniform minimum permissible head loss across a hydrant as follows:

- 1 — 4½" steamer outlet flowing 1,000 gpm—not to exceed 5 per square inch.
- 1 — 2½" hose outlet flowing 250 gpm—not to exceed 1 per square inch.
- 2 — 2½" (simultaneously) flowing 500 gpm—not to exceed 2 per square inch.

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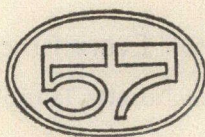
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President Ed Borowiec calling the meeting to order.

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Residual pressure must be in all cases 20 per square inch.

Neither authority specifies a minimum hydrant main valve opening. It is generally accepted that **hydrant flow capabilities** are:

1. Function of size of street main.
2. Function of operating pressure in main.
3. Size of hose and pumper outlets.
4. Main valve opening size.
5. Length of lateral piping.

Simple street testing methods as outlined years ago by the New England Water Works School are still widely employed for securing quickly working knowledge of flow capabilities in a given area.

One of the leading engineers in Western Massachusetts, has said that it is amazing how many consulting engineers and other personnel seem to know about their water systems, and they are the kinds of folks who make sure that the fire protection elements are there in a good system, which is going to operate correctly. However, in correcting those systems, something else would have to be strengthened, and as time goes by, that would be an improvement.

Now, to coordinate Community Assistance Programs, integrating the use of your equipment with that of other towns or cities has to involve fire hydrants and details such as:

1. Size of connections.
2. Thread detail.
3. Opening direction.
4. Operating nut and cap shape and size.
5. Use of adaptors.

Now, regarding working with Civilian Defense people, the hose nozzle and the steamer nozzle, even in a city like Bridgeport, according to the National Standard and the community around, well, the original standard does not include equipment. To make a long story short, valves for the equipment were made available outside of Bridgeport.

And, the Chiefs of Northampton and in the immediate area, such as Hadley and places like that, up to three years ago, had 3-inch steam monopoly.

Even going beyond that, the International Association of Fire Chiefs has a man named Don Flynn, and we work with him very closely. I am told that he is now the Executive Director of the International Association of Fire Chiefs.

Out in Denver, the 2½" hose is now in design and correct for International Standards. Don Flynn tested it.

In an organization like yours, if you do not have this type of equipment available, you need it, and I want to make that known.

There is also the fact of Chaser equipment, and Consultation, regarding deterrent devices to prevent the unauthorized use of hydrants or hydrant vandalism.

In the big cities, we have noticed a reduction in vandalism. I have a letter from Washington, D. C. and I shall not take the time to read it, now, but it is a request from the D. C. Fire Department: What do we do about that?

We will have some slides on that in a moment or two.



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As to the Use of Deterrent Devices on Hydrants, here are the following:

1. Real or imagined problem.
2. Evolution from humanitarian action to malicious vandalism.
3. Who should handle it?
4. Can deterrent devices boomerang?
5. Harnesses, brassieres, safety locks, one-way caps.
6. Tougher attitude by the authorities.

Right now, we are going to have some very brief slides. These are scattered, but there are a few things in there that I think will be of interest to you, and, after that, for those people who are connected with the Mechanics Department and are interested, we have two scale drawings, and they were only made about a week ago. Those who would like to see them and examine the models, you may do so.

[The slides were then shown, showing PWD using New York City super-pumper hydrant free-flowing 2300 gpm each 4" outlet. Trucks have unlimited amount of water and 80 psi pressure to work with. New York City pumper truck can deliver 9800 gpm. Illustrated with a hook-up off 48" main, 12" - 8" and two (2) hydrants.]

And now, those who would like to see these drawings, you are welcome to do so. These are not things that are of common interest to everybody, of course. Richard Hadley and I will be very happy to show them to you.

I want to thank you very much for your attention.

PROGRAM CHAIRMAN LEDDY: At this time, as you know, this is our last Scientific Program of the Conference, and I want to express the hope at this time that you have enjoyed our Programs and that you have gotten something from them.

So, please, if you have any suggestions of any one whom we can contact to put on the program, do not hesitate to give us a lead; give it to your Association Officers, and we will make every effort to see that you get what you want.

Please try to follow that up, and think about it in the near future.

Now, has every one got a ticket for the drawing? If not, please see Chief Monahan.

[The drawing then took place, and the winning number was 098,900.]

[Whereupon the Wednesday Morning Session was adjourned at 11:45 o'clock A.M. on June 30, 1976.]

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## BANQUET SESSION — JUNE 30, 1976

The Banquet Session convened in the Dining Room of the Mount Washington Hotel on Wednesday Evening, June 30, 1976, at 8:30 o'clock P.M., with President Edward B. Borowiec presiding.

[The Invocation was given by the Reverend Steven Foley.]

PRESIDENT BOROWIEC: Reverend Clergy, Honored Guests at the Head Table, Members of the Association, Ladies and Gentlemen. We also are honored by the

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presence of some actors and actresses, who happened to be our favorites, Betty Grable, Bette Davis, David Wayne, Judy Garland and others, all top-runners! [Applause]

I am deeply grateful to each and every one of you for attending our 54th Annual Banquet. We have a very short, but interesting program.

At this time, I think it is appropriate that we recognize our Past Presidents. Will our Past Presidents please stand and be so recognized?

[The Past Presidents then stood, and received the ovation of those present.]

And now, may I ask the wives of the officers and Committee members to rise and be greeted by those present?

And, also, my new approach, I wish to present our Speaker's wife, Mrs. Murphy!

I would be remiss if I did not recognize Miss Madeline A. May, for she has been with us for thirty years, in the matter of reporting our conventions, for the Red Book! [Applause]

It is now my pleasure to introduce the Head Table Guests.

Father Steven Foley from Connecticut, our Chaplain.

Charles F. Hood of Beverly, Massachusetts, our Chaplain.

Second Vice-President, Merton Dyer of Peterborough, New Hampshire:

Bill Monahan, our Rhode Island State Director.

Pat Brown, our Vermont State Director.

Theodore A. Jellison of Bangor, Maine, our Maine State Director.

Chief Joseph R. Cremo of Portland, Past President.

And now, moving on to my extreme right, we have our Secretary-Treasurer, Chief James F. Brennan of Salem, Massachusetts.

The Massachusetts State Director, my good friend, Chief Schneider of Agawam.

Chief Carl P. Sawyer of Poquonock Bridge, Groton, Connecticut.

State Director of New Hampshire, Fred Hast of Pittsfield.

Our First Vice-President, Earl Andrews of Lincoln, R. I.

And, next, our good friend, Norman Dugas, Manager of the Hotel Mount Washington.

Our International President could not be with us tonight, but you heard him speak at our Sunday Evening Meeting, and also at the Monday Morning Meeting of the New England Division of the International Association of Fire Chiefs.

We have really enjoyed having you with us, here.

It is now time for me to introduce our main speaker of the evening, Jerry Murphy, who is a columnist for the Boston Globe. He covers a wide range of subjects, from a parent's view of bringing up seven children in Beverly and Rockport where he and his wife live.

Jerry has done duty in Vietnam in a splendid way, and in Ireland, Jerry is known for his knowing the people on the street, the couple next door, for instance.

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He is a graduate of Beverly High School, and he attended the University of Virginia, before coming to the Boston Globe.

In 1959, he worked as a Reporter for the Beverly Times, the Cape Cod Standard and other papers.

Our speaker is going to talk to us about the things that we are facing, things that he has faced himself.

MR. JEREMIAH MURPHY of the Boston Globe: Ladies and Gentlemen, I am delighted to be here!

Now, I like to think that I have paid my dues as a reporter, and I have certainly covered my share of the things that have happened in Dorchester, the Vendome, the tragedy in Chelsea, either with Bob Ward or Frank Mahoney, but I have always found the Fire-Fighters to be warm and friendly, and I think that that comes from the knowledge that your primary job is saving lives.

I should like to talk with you briefly about the approaching expertise or authority, and that is the newspaper business.

People will usually say to me one or two things:

"You have an interesting and fascinating job. You've been here and there, and you've talked with this person and that person and interviewed them."

And I usually say: "Thank you very much." And I let it go at that, because they have never heard about my working with the Beverly Times, the Cape Cod Standard or the Providence Journal, and my earlier years with the routine stories and the routine obituaries.

Now, as to politics, we get into politics, and what, to me, is the most satisfying is writing about them. I feel that I get a little closer to the scene.

The celebrities, the Ted Kennedys, well, it is a little like batting practice, and they pop them right out of the ball park. But, the average guy is different. Let me give you a brief example.

A few years ago, I went over to Charlestown to talk to the longshoremen and to find out why they had voted, in the primary, for George McGovern, who is liberal, and the longshoremen, as a group, are not liberal. I went to the Bar at the Mystic River Bridge, they did treat me very well. Finally, there was a tap on my shoulder. I turned around, and there was a longshoreman, with a skull cap on, a heavy jacket, and dungarees, and finally he said to me:

"Look, you think you're so smart, but Ted Kennedy was an Assistant District Attorney. How many convictions did you ever get?"

So I said: "I don't think I'm so smart."

Then, I thought of the Kennedy record; he was thirty years old and he was running for the United States Senate. He worked for six months as an Assistant District Attorney for Garret Byrne of Boston.

So what do I say to these gentlemen? I say:

"Gentlemen, I don't know how many cases he won."

And one of the men present said:

"That's right. Drunken driving."



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And another one said: "No; it wasn't. It was breaking and entering, and I'm the guy!"

Now, I can assure you that that is the reaction about Ted Kennedy, or Mike Dukakis. And, particularly, that opinion gets around, whether it is good or bad. And, I get my share of it. I read the good ones and the others, and I say to myself:

"This person has obviously good wisdom and good judgment."

Then, I get the tough ones, too. And half way down the line, I say that it's a lot of nonsense, and then I throw it away.

And then, there is a third type of letter that you get very often. I open up the envelope, and there is written that the paper is behind, and so forth, and that even the obscenities are misspelled. Well, these types of guys are all alike.

A few years ago, I wrote some articles for a newspaper syndicate, on assignment, and I want to say that some of the questions are valid. I traveled around and I wrote my story, but every once in a while, I get some repercussions of what I wrote.

I was away for quite a while, and when I came back I was quite anxious to read my mail. And just let me say this to you. Jack Kennedy, some years ago, said:

"Anybody who writes to a newspaper actually votes twice."

So that I read all of my mail. The first one said that the land ought to be Protestant.

The next letter was from a man in Lawrence, and it was written by hand, and this gentleman said that he had read my dispatches from northern Ireland, but in each paragraph I could see that his anger increased.

I have always been fascinated by the reports that I have received. I have been overseas; there are a lot of French people in Viet Nam, and they are most interesting to the Americans; they ask the most intelligent questions. But, the Australians are the biggest drinkers; yes, they are professional at that. But, the English are of the old style. I bumped into them time and time again, and particularly in northern Ireland, and I have talked with them, even when they do drink, which is at times Scotch and Coca Cola or Scotch and lemonade. They really give you an under-statement.

One day, the tanks were going in there, and we all hustled up there, over in Belfast and to Londonderry, in the bog-side, to report what happened. The IRA was going to take a stand. The entire area was heavily bombed. We were up there, and things went fairly well, from the British standpoint, and that was it.

So in the middle of the afternoon, we left the bog side, and we walked up to a housing project beyond the Craigin Estates. Three of us went up there, a London photographer and the Life Magazine man and myself. We wandered around, and we talked to people, and then we started back down the hill. We cut across a little field, and it was raining heavily. During some of the days in Ireland, there was a lot of rain. And there was a tremendous lot of rain on this particular day. The three of us were all swished together like this [illustrating]. Standing there for ten seconds, we just happened to look down at the same time; I was standing directly on a military pouch, about two-thirds away from the ground. Nobody said a word. But, nobody could say a word, and, before anybody could think of anything to say, the Englishman said: "Let's move along. Shall we?" And, in the next instant, we were running across that field, all of us, with a 300-pound Life Magazine photographer leading the way. All I could say was: "Let's get the hell out of here."

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People ask me from time to time: "Who are the best characters you meet in the newspaper business?"

Cardinal Cushing was a real character, and I say that with admiration, for he was good and bad to cover from the standpoint of reporting. He was good in that he talked quite slowly, but he talked forever. One time, I was sent over to the Somerset to ask him a question regarding the Vatican situation. He was speaking before a one hundred per cent women's group, and I felt a little awkward going in there, because I was the only male person present. I took notes, and waited for him to come out, and as he was coming through the crowd, I said to him:

"Your Eminence, my name is Jerry Murphy and I am from the GLOBE."

And he said: "You were standing at that door-way taking in everything I said."

Then he said that he was mad at the Globe, and he continued:

"You were eaves-dropping on me, and the Globe has those cameras that zoom in on you, and you make me look like a prize-fighter!"

I said, with admiration, that he did so look.

Then, all of those people were walking by, and I was just standing there. Then, one of those coming out said:

"What is that awful man saying to our beloved Cardinal?"

And all I was saying was:

"Yes, your Eminence." Or : "No, your Eminence." [Laughter]

My kids started college a few years ago, and I decided to teach some courses at Boston University. My job is to teach the students how to write stories. I can tell them how not to write stories. That lesson came to me very forcefully when the City Editor sent me to Providence to get a story on Raymond Patriarca and organized crime in New England, and I was also supposed to get a line on Dutch Schultz. I called the proper authorities in Providence and explained the situation. The attorney with whom I talked said that Raymond Patriarca would not speak with newsmen, and besides, he was down in Florida. So I said that was okay, but I thought I would go to Providence anyway. So I went down to the Police Headquarters there, and do you know, but there is a sort of relationship between the reporters and the Police Chiefs, but that relationship does not exist between the reporters and the Fire Chiefs. Well, I came away, and the Police told me absolutely nothing.

So I decided to swing up to Federal Hill, and I did so, and then I parked my car and walked down to his office. I was dressed as a correspondent would be dressed, with a tan raincoat, tie and shirt, in Holy Cross fashion, and I guess I looked like an F.B.I. agent, standing in the little hallway there, but I was friendly, there, all right. I told them that my name was Jerry Murphy, and I asked for Mr. Patriarca. Of course, I expected them to say that Raymond is down in Florida. Then I saw a man in the office there, with a face that was deep in lines, with his hair graying and pushed straight back, with a dark jacket and a tie now.

Now, in the thirty months or so that they were making the movie on Gangsters and also Captain Courageous, the guy playing the lead did not look at all like the chap I saw in the office there.

But, there he was; it was Patriarca!

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I told him my name, but I didn't tell him that I was from the Globe! Then he said:

"Mr. Murphy, what can I do for you?"

So I said to him:

"I am a reporter for the Boston Globe, and the Senate Sub-Committee in New England wants to get some further information about you. Is that true, Mr. Patriarca?"

As I said that, it just didn't sound like my voice at all; I was scared as hell. He looked at me for about three seconds, which seemed like a half an hour, and he said to me:

"Mr. Murphy, you're just trying to open up old wounds."

And I said: "Oh, no. We want both sides of the story, and we would like to have your side."

Then he said to me:

"Murphy, get the hell out of here!"

I walked right out of that room and went down to where my car was parked, got in the car and locked the door on this side and the other side, and I got the hell out of Providence!

But, that incident taught me something. Be prepared to ask questions, and somehow you may get what you want. All in all, I have had a front row seat, in the course of doing my job over the years. Yes, and I have seen that gray look, and the space in the eyes for too many years not to know what to do now.

Years ago, they had a murder that could not happen, where a 14-year-old-boy murdered his sixteen-year-old sister. This happened one night in March. Sometimes, tragically, those things do happen. I was assigned to cover the story from beginning to end, and the last night, I covered the wake. You see, I take the assignments, wherever they are.

I went to that wake, and I stood in line to express my condolences to the father and mother of that girl. I stood there in line and waited for five or ten minutes, and then I went straight out of the room. When it came time for me to speak to the father, this was the first time in all the years I was a reporter that I could not speak. But I have always remembered what he said to me. He put his arm around my shoulder and he said:

"All right. Everything will come out all right. God will take care of that."

Then, I realized this man would be able, somehow, to continue after this terrible nightmarish tragedy, for it was his courage that kept him going.

And I would say that I have seen the same situation and that same courage and that same resilience where there was no obvious religious commitment.

That happened to me in Georgia, in a housing project, where I went to get a story which concerned a fifteen-year-old boy, who was stabbed to death in the street the night before. I went to the Police Station, and after that I went to the home of the parents, knocked on the door, and I identified myself and asked the woman if I could speak to her for a moment.

"Come in," she said. I did go in.

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This woman had four other children, and here she was; she had lost her oldest child, and her husband was long since gone. She was not angry, even though her son had been beaten up by one of the kids of another family. The second woman did not possibly know that a tragedy had occurred. The mother of the dead boy did not mention what had happened. But, she said the second mother, if she knew about it, would take action, and this would never happen again.

Then, the mother of the dead boy was standing there, and I was watching her in the kitchen. I knew, then, that she wanted to go into the bedroom and lie down and cry. But, she didn't do that. She turned around and pulled out some pans and made supper, as she had done so many other times, for she realized that life, somehow, has to go on. She possessed the courage to see that, time and time again.

It was then that I knew that Arthur William Faulkner was correct when he said in his Nobel Prize Winning Speech in 1952, that man would not only prevail, but would endure.

So that is why this reporter and so many other reporters really have a heart!

Thank you very much!

PRESIDENT BOROWIEC: Thank you, Mr. Murphy for a very fine presentation.

PRESIDENT BOROWIEC: At this point in our program, I am going to turn this part of our meeting over to Chief Creighton of Marblehead, and he and his assistants are going to give out the prizes.

CHIEF CREIGHTON: Thank you. For those of you who may be new this year, let me say that you have to be present in the room, in order to win a prize; also, if you don't come up to the rostrum on the second calling of your name, we will then call another name.

The first prize to be given out is a Chief's Coat.

[Chief Brennan of Salem, Mass. was the recipient of that prize, the coat.]

CHIEF CREIGHTON: The next prize is a lawn chair.

[This prize was won by Chief Irwin Madison.]

The desk set prize was won by Chief Murray.

Further prizes were then won by the following members:

Chief Zwicker; Chief Richards of Lawrence; Chief Ed Callahan; Arthur Lamb; James J. Brennan (he won the coat previously given to Chief James F. Brennan of Salem, Mass.); Chief Raymond Richards; Eugene Seymour; Chief Kenneth Wilson; Chief Richard Fahey of Natick; Chief Robert Heavey; Chief Long; Chief Francis O'Brien; Chief Francis Gallant; Chief Gaspie; Chief Nelson Harris; Chief William Maine; Chief Warner Melaney; Chief Edward Brock of Southboro; Chief Wilbur Perkins of North Hampton, N. H.; Chief Raymond Sorenson; Chief George Rogers; Chief George Bulger; Chief Merton Dyer of Peterborough, N. H.; Chief Edward I. Tenney; Chief Fred Banks; Chief Romeo Gentile; Chief Paul Leddy of Connecticut; Chief David Norton; Chief Arthur Butler; Chief Eugene Ober; Chief William Mahoney; Chief Edward Borowiec; Chief Dubois; Chief Richard Grant; Chief Lamson; Chief James Casavant; Chief James L. Grote of Connecticut; Chief Joseph Monahan; Chief William McCarthy; Chief Ties; Chief Leo McCabe of Medford; Chief Joseph Marshall; Chief Samuel Angell; Chief William Murphy.

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PRESIDENT BOROWIEC: At this time, Ladies and Gentlemen, I want to introduce our incoming President, Earl Andrews from Rhode Island.

INCOMING PRESIDENT EARL ANDREWS: It is now my pleasure to present our Past President with the white helmet of the Fire Chief. The only thing that I can add to that is that somewhere along the line, Hoover once said:

"All the good guys wear hats!"

So they can now think of Ed Borowiec [presenting the white helmet to President Borowiec]!

PRESIDENT BOROWIEC: Thank you very much. This really sort of surprised me, that a Chief could receive such a wonderful present!

REVEREND CHARLES F. HOOD: We thank you, O Lord, for the wonderful fellowship of this gathering. And, may the Lord make His face to shine upon thee and be gracious unto thee.

PRESIDENT BOROWIEC: This Banquet Session is now adjourned.

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## THURSDAY MORNING SESSION — JULY 1, 1976

Ballroom — Mt. Washington Hotel — 10:00 a.m.

PRESIDENT BOROWIEC: Gentlemen, I am now calling this meeting to order. This is our business session. Our Chaplains have left and I call on Chief Grote to offer the invocation.

CHIEF JAMES GROTE: In the name of the Father and of the Son and of the Holy Spirit. We ask Almighty God to protect us while we are at this Conference. Keep us in the palm of your hand, Dear Lord. And, may we have Peace on Earth to men of good will. Amen.

PRESIDENT BOROWIEC: Thank you very much, Chief Grote.

We will now salute the Flag. (Audience rose and saluted the Flag.)

Chief Merton Dyer will act as our Parliamentarian this morning.

We will now have our usual reports from Officers and Committees. The first report will be from James Brennan, our Secretary.

## REPORT OF THE SECRETARY — 1976

By Chief James F. Brennan

Thank you, President Borowiec. I herewith submit the Annual Report for the year ending May 31, 1976.

Your Officers and Committees held two meetings since our last Annual Conference. The first one was on October 21, 1975 at the Kings Grant in Danvers, Massachusetts, and the second one was held at Bishop's Restaurant in Lawrence, Massachusetts on May 4, 1976.



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At both meetings, matters relating to the Association were discussed, and the plans for the 1977, 54th Annual Conference were formulated. Both meetings were very well attended by the Officers and Members of the Conference Committees.

During the year, all Association business was handled promptly by your President and Secretary. A full and complete report of meetings will appear in the 1976 Book of Proceedings of the Association.

Your Secretary, with the help of the Officers and Directors answered all calls for the sick and departed members of the Association. Our Officers represented the Association at several testimonials for retiring members and presented to the retirees plaques and Honorary Life Membership in the Association.

Please do not hesitate to call upon your State Director or any Officer of the Association in any matter in which we may assist you. I would urge you all to notify your State Director or Secretary at once in case of any death or illness of a member.

The dues are coming in fine, and to those who have not paid their dues, please send them along. We urge you all to continue our Membership Drive.

As of May 31, 1976, our membership stands at 1339:

Maine	70	Connecticut	189
New Hampshire	109	Outside New England	38
Vermont	67	Honorary Life	263
Massachusetts	501	Life	8
Rhode Island	94		

During the year 1975-1976, the following changes were made in the membership:

New members added	76
Lost by death	14
Lost by resignation	4
Lost by non-payment of dues	11

All members removed for non-payment were notified at least four (4) times and were removed from the rolls in accordance with Article 5, Section 2 of the Bylaws.

All members for Honorary Life Membership meeting the Association Bylaws were acted upon at the two Directors' meetings.

I have attempted to serve you well as your Secretary-Treasurer, imperfect as the attempts may have been. Please do not hesitate to call upon your Secretary at any time. It is my honor to serve you.

I wish to thank all the Officers, Committees and the Members, along with my very dear friend, our President, Ed Borowiec, for allowing me to assist you, and for your cooperation.

Thank you very much! [Applause]

Respectfully submitted,

James F. Brennan, Chief  
Sec.-Treas., N.E.A.F.C.

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PRESIDENT BOROWIEC: Thank you, Chief Brennan. Gentlemen, you have heard the report of our Secretary. What is your pleasure?

CHIEF HARRY SCHNEIDER of Agawam, Massachusetts: Mr. President, I move the acceptance of the report of the Secretary.

[This motion was then duly seconded by Chief Desmond and was carried, unanimously.]

PRESIDENT BOROWIEC: It is a vote, and I so declare it to be carried.

We are now going to listen to the report of our Treasurer, Chief James F. Brennan.

## ANNUAL REPORT OF THE TREASURER — 1976

By Chief James F. Brennan

To the Officers and Members of the New England Association of Fire Chiefs, Inc., I herewith submit the Annual Report of the Treasurer for the year ending May 31, 1976, pursuant to Article III, Section 4 of the Bylaws:

### RECEIPTS

Balance on hand in checking account, June 1, 1976	\$1,879.54
Dues collected—1975-1976	7,721.00
Received from Exhibit Committee	5,000.00
Mailing Refund	84.76
Red Book account, to date	2,100.00
Return of Conference Cash	638.51
Hingham Cooperative Bank Interest	385.32
Income Tax Refund	1.02
Registration from 1975 Conference	6,285.00
Sale of Ladies' Gifts	398.15
Conference Badge Contributors	215.00
Transfer from Savings to Checking Account	4,500.00
Interest from Savings Account	661.49
	<hr/>
	\$29,869.79

### EXPENDITURES

Flowers, fruit, testimonials, etc.	\$735.33
Safety Deposit Box	12.00
Subscriptions	25.00
1975 Conference expenses	8,075.53
Overpayment of dues	21.00
Red Cross donation	50.00
Mailing	939.72
Conference Programs	269.85
Photography	95.38

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Salary	2,359.59
Plaques	253.00
Ladies' gifts	2,099.10
Legal fees	873.25
Committee expenses	1,580.01
Office equipment and supplies	429.32
Conference Badges	200.09
Printing	769.27
Ins. - Bonds	127.00
Taxes - Social Security	843.52
Transfer to Savings Account	7,000.00
Conference (1976), to date	1,656.85

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\$28,414.82

Receipts	\$29,869.79
Expenses	28,414.82
	<hr/>
	\$1,454.97

June 1, 1976

Shawmut-Merchants Bank	\$1,454.97
Salem Five Cents Savings Bank	13,847.43
Hingham Cooperative Bank	7,000.00
	<hr/>
	\$22,302.40

PRESIDENT BOROWIEC: Gentlemen, you have heard the Report of the Treasurer. Before acting on this Report, may we have the Report of the Auditing Committee Chairman, Chief Joseph Cremo of Portland, Maine.

## REPORT OF AUDITING COMMITTEE

Chief Joseph Cremo of Portland, Maine

Mr. President and members of the Association, your Auditing Committee is made up of Earl Andrews, Merton Dyer and myself. We scanned all of the Association's records for the year of 1975-1976, and we find these records to be in good order.

PRESIDENT BOROWIEC: What is your pleasure?

CHIEF GROTE of Connecticut: I move that we accept the Report of the Treasurer, as well as the Report of the Auditing Committee, at this time.

[This motion was then duly seconded by several of the members present, and was carried, unanimously.]

PRESIDENT BOROWIEC: It is a vote and I so declare it.

We will now have the Report of the Reservations Committee by James Casavant, Chairman of that Committee,



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**REPORT OF THE RESERVATIONS COMMITTEE****By Chief James Casavant, Chairman**

Mr. President and Members of the New England Association of Fire Chiefs, Inc. I hereby submit the report of the Reservations Committee for the 54th Annual Conference at the Mount Washington Hotel, Bretton Woods, New Hampshire:

**Sunday — June 27, 1976**

Mount Washington Hotel	300 Persons
Motor Lodge	58
Total	358

**Monday — June 28, 1976**

Mount Washington Hotel	334 Persons
Motor Lodge	62
Total	396

**Tuesday — June 29, 1976**

Mount Washington Hotel	326 Persons
Motor Lodge	58
Total	384

**Wednesday — June 30, 1976**

Mount Washington Hotel	297 Persons
Motor Lodge	

I wish to thank the members of the Association for their cooperation with this Committee.

Respectfully submitted,

James Casavant, Chairman  
Joseph Monahan  
Joseph Cremo

[This motion was then duly seconded by several of the members present, and was carried, unanimously.]

PRESIDENT BOROWIEC: I now call upon our Chairman of the Exhibit Committee, Chief Edward Creighton! [Applause]

**REPORT OF THE EXHIBIT COMMITTEE****By Chief Edward Creighton**

Mr. President and Gentlemen, this year, we had seventy-two (72) Exhibits, and we took in at the Conference \$4,761.50—no, that amount is in the bank, and we took in at Conference \$921.50. The outstanding bills amount to \$595.00, making a grand total of \$6,278.00 that will be put in the Final Report, when we have our Fall Meeting.

CHIEF from Hamilton: I move the acceptance of this report.

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## REPORT OF THE REGISTRATION COMMITTEE

Chief K. Wayne Murray, Chairman

Your Registration Committee compiled the following report for the 54th Annual Conference:

Sunday, June 27th, we registered 146 active members, 30 associate members, 7 male guests, 130 female guests, and 2 new members.

Monday, June 28th, 67 active, 35 associate members, 11 male guests, and 55 female guests.

Tuesday, June 29th, 19 active, 5 associate members, 7 male guests and 20 female guests.

Wednesday, June 30th, 8 active, 1 associate member, 4 female guests, and 1 new member.

The Total Registration was 547, and it was 228 less than 1975, and we received \$4,435.00 in Registration fees. [Applause]

PRESIDENT BOROWIEC: Gentlemen, you have heard the report of the Registration Committee. What is your pleasure?

CHIEF JERRY CARLE: I move that the Report of the Registration Committee be accepted.

[This motion was then duly seconded by several of the members present, and was carried, unanimously.]

PRESIDENT BOROWIEC: Gentlemen, we are now going to have a report of our Program Committee, from Chief V. Paul Leddy of Hamden, Connecticut.

## REPORT OF THE PROGRAM COMMITTEE

By Chief V. Paul Leddy of Hamden, Conn., Chairman

I am pleased, this morning, to present the report of the Program Committee. I think that everything went off well. I was pleased with the attendance at each session that we had, and I want to thank the Moderators of our various programs.

As we all know, we have done away with the Monday Morning Session of the New England Division of the International Association of Fire Chiefs. So that, therefore, we have to account for seven programs in our Conference. And this means, of course, that we will possibly pick up two more, as a result of doing away with the Monday Morning Meeting of the New England Division of the International Association of Fire Chiefs, Inc.

Now, I have heard several ideas on that, and many suggestions that would make nine (9) meetings or sessions of our Program. There were some ideas extended to me that we, perhaps, should have two programs in the morning, and one in the afternoon, on each of the days. As it is now, we have had one in the morning on Monday.

However, in the other days of the week we have had two programs in the morning and two in the afternoon, unless it was a program where it would go on all afternoon.

So that while we have a good crowd here, does any one have any ideas as to what we should do?

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CHIEF of Newington: The business meeting should be held on Monday morning so that those travelling a long distance can leave early on Thursday and still know what is going on.

CHIEF HARRY SCHNEIDER: I feel that we should go to the exhibitors and perhaps arrange for a demonstration on Monday morning. We could consult the exhibitors.

CHIEF McNAMARA: I agree and suggest an afternoon workshop.

CHIEF GROTE: The important thing is to discuss our business before the end of the Annual Meeting.

CHIEF MURRAY, Cape Elizabeth: This year 67 members arrived on Monday morning. If we changed the program and have something on Monday morning these people may arrive on Sunday instead.

CHIEF, of South Portland: We should have a program on Monday morning. This is why we come to the Conference. If there is something for every day nobody can complain.

CHIEF LEDDY: That is the completion of my report.

PRESIDENT BOROWIEC: Thank you gentlemen for your suggestions. What is your pleasure on Chief Leddy's report.

On motion duly seconded the report was accepted.

## ENTERTAINMENT COMMITTEE

Chief Homer DuBois, Chairman

The report was accepted with prolonged applause.

CHIEF BOROWIEC: I thank all the Officers and Committee members for the outstanding support that they have given during the past year. It is impossible for me to thank Jim Brennan, our dedicated Secretary from Salem, Mass. He has discharged his duties diplomatically, efficiently, accurately and I commend him for a job well done.

To the members, I deeply appreciate your participation in the Program.

Mrs. Borowiec and I will ever be grateful for a memorable year and for the courtesies extended to us.

## NOMINATION AND ELECTION OF OFFICERS FOR THE COMING YEAR

President—Earle Andrews of Lincoln, R. I. Nominated by Chief Henry J. Mongeau of Rhode Island. Seconded by Chief Samuel E. Angell of Rhode Island. Elected on one ballot.



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**PRESIDENT EARLE ANDREWS:** Thank you for selecting me to this high office. I will do my utmost to carry out my duties as President.

It is my pleasure to present Ed Borowiec with the Past President's Pin.

**ED BOROWIEC:** I present Earle with the Gavel. May he use it wisely.

**First Vice President**—Merton Dyer, Peterborough, N. H. Duly seconded from the floor. Elected on one ballot.

**Second Vice President**—Carl Sawyer, of Poquonock Bridge, Conn. Seconded by Chief Edward Callahan, Woburn, Mass. Elected on one ballot.

**Secretary**—James F. Brennan, Salem, Mass. Nominated by Chief Grote. Seconded by Chief Gaudet, Amesbury, Mass. Elected on one ballot.

**Treasurer**—Chief James F. Brennan, Salem, Mass. Nominated by Chief Grote. Seconded by Chief Harry Schneider, Agawam, Mass. Elected on one vote cast by Pres. Andrews.

### **Directors From States**

Chief James Rulman, Westbrook, Maine, to be Director for Maine. Nominated by Chief Theodore Jellison, Westbrook, Maine. Elected by one ballot.

Chief Fred Hast, Pittsfield, N. H., to be Director for New Hampshire. Nominated by Chief Morgrage, Goffstown, N. H. Seconded by Deputy Chief Peter Jenkins, Goffstown, N. H. Elected by one ballot.

Chief Pat Brown, to be Director for Vermont. Nominated from the floor. Duly seconded and elected by one ballot.

Chief Harry Schneider, Agawam, Mass., to be director for Massachusetts. Nominated by Chief Homer DuBois, Ludlow, Mass. Seconded by Chief Edward Creighton, Marblehead, Mass. Elected by one ballot.

Chief Clinton L. Hughes, Wethersfield, Conn., to be Director for Connecticut. Nominated by Chief James Grote. Elected by one ballot.

Chief Angelo R. Cappelli, Johnston, R. I., to be Director for Rhode Island. Nominated by Chief John E. Unsworth, E. Providence, R. I. Seconded by Robert Wilder, Portsmouth, R. I. Elected by one ballot.

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Salary of the Secretary to remain at \$1500.00 per year.

Salary of the Treasurer to remain at \$1500.00 per year.

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### CONFERENCE SITE FOR 1979

The Mountain View House of Whitefield, New Hampshire, was selected as the site for 1979. They have 305 rooms with private bath and can accommodate 340 with connecting baths. The convention hall is 400 feet from the hotel and this can accommodate the exhibitors. The dining room holds 500 at a serving. The present rates are \$36.00 per person double occupancy and \$41.00 for singles. Whitefield is on Route 3 about fifteen minutes north of Bretton Woods.

Golf Fees: \$7.00; Tennis: \$4.00 per quarter. A committee inspected the Hotel and found modern plumbing, buildings well maintained and an excellent sprinkler system. The motion to hold the convention at the Mountain View House was duly seconded and passed.

### RESOLUTION OF SYMPATHY

Whereas the passing of our Second Vice President, John E. Devine, instills in us a feeling of deep sorrow, and whereas the late John E. Devine distinguished himself by his substantial dedication to the welfare of the community, now, therefore, be it resolved that we, the Officers and Members of the New England Association of Fire Chiefs, deeply regret the passing of John E. Devine and we do hereby offer our heartfelt sympathy and condolences to his beloved wife, Helen, and to his family. Be it further resolved that a copy of this Resolution be sent to the family of our beloved John E. Devine.

The Resolution was adopted.

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President Andrews made the following appointments:

Chief John Monahan, Sergeant-at-Arms;

Rev. Charles Hood of Beverly, Mass., and Rev. Stephen Foley of Windsor Locks, Conn., Chaplains;

Dr. Carl Irwin of Bangor, Maine, Physician and Surgeon.

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The 54th Conference was adjourned at 12 noon, July 1, 1976.

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# New England Association of Fire Chiefs, Inc.

## 1976

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### MAINE

Adams, Ralph S., Chief, 550 Minot Ave., Auburn, 04210  
Anton, Michael, Route 1, Scarborough, 04074  
Bagley, Henry W., Chief, Fire Headquarters, Princeton, 04668  
Bean, William L., Asst. Chief, 28 Lincoln St., Gorham, 04038  
Bergeron, Emile, Fire Department, Biddeford, 04005  
Berry, Ted, R.F.D. #2, Livermore Falls, 04254  
Boivin, J. Eugene, Chief, Fire Headquarters, Rumford, 04276  
Brown, Ralph J., Chief, Fire Headquarters, Cumberland Center, 04021  
Butters, Robert, Chief, Fire Headquarters, Norway, 04268  
Chandler, John P., Chief, R.F.D. #2, Gorham, 04038  
Clark, Ronald F., Chief, Fire Headquarters, Brewer, 04412  
Cleaves, Freeman G., Jr., Chief, Fire Headquarters, Falmouth, 04105  
Daye, Ernest F., Chief, Fire Headquarters, Calais, 04610  
Dolley, Ernest C., Chief (R), 15 Fairfield Ave., Westbrook, 04092  
Doucette, Reginald A., Chief, 2 College St., Lewiston, 04240  
Eaton, Karl, Asst. Chief, Fire Headquarters, South Berwick, 03908  
Edwards, Harold R., Chief, 12 Spring St., South Paris, 04281  
Elkins, Earl A., Deputy Chief, 56 Bow St., Freeport, 04032  
Emerson, Arthur R., Chief, Town Hall Place, Brunswick, 04011  
Emerson, Robert W., Lieutenant, 7 Meldon Drive, Brunswick, 04011  
Eugley, Bertrand I., Chief, R.F.D. #1, Lincolnville, 04849  
Fitzherbert, M. S., 21 Beacon Ave., Auburn, 04210  
Fortier, Raymond E., Chief, 40 Union St., Bath, 04530  
Gardner, Clinton E., Chief, Fire Headquarters, East Machias, 04630  
Garriepy, Paul B., Chief, 9 Herring Ave., Biddeford, 04005  
Good, Garth L., Marshal (R), 388 Sawyer St., South Portland, 04106  
Gorman, George, Chief, Fire Headquarters, South Berwick, 03908  
Grafton, George, Chief, Fire Department, Thomaston, 04861  
Hall, Ralph S., P. O. Box 417, Bethel, 04217  
Hanson, Philip T., Deputy Chief, 14 Rudolph Ave., Kittery, 03904  
Harmon, Eldred H., Chief, Fire Department, Scarborough, 04074  
Herrin, Norman A., Chief, Dedham Fire Department, Lucerne-in-Maine, 04429  
Holman, Redlon, Jr., Chief, Fire Headquarters, Augusta, 04330  
Hoyt, Walter G., Chief, Fire Headquarters, Eliot, 03903  
Irwin, Carl, M.D., 336 Mount Hope Ave., Bangor, 04401  
Kenney, Norman, Chief, Fire Department, Bath, 04530  
Labbe, George, Chief, Pleasant Hill Rd., Brunswick, 04011

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Landers, Thomas J., Director of Public Safety, Orono, 04475  
Leighton, Donald E., 2nd Asst. Chief, 42 Libby Ave., Westbrook, 04092  
Lessard, J. A., Fire Department, Portsmouth Naval Ship Yard, Kittery, 03904  
Libby, Richard A., Chief, Box 36, North Windham, 04062  
MacKinnon, George, P. O. Box 467, Kennebunkport, 04046  
MacNevin, Charles W., Chief, Fire Headquarters, Lincoln, 04457  
McCann, Paul R., Chief, Fire Department, Bucksport, 04416  
McGouldrick, Philip D., Chief, 684 Broadway, South Portland, 04106  
Metcalf, Charles E., Dist. Chief, Fire Headquarters, Hiram, 04041  
Morley, John H., P. O. Box 399, Lewiston, 04240  
Murray, K. Wayne, Chief, 86 Fowler Rd., Cape Elizabeth, 04107  
Nugent, James O., Chief, R.F.D. #2, Gorham, 04038  
Olmstead, Lewis B., Deputy Chief, 11 Green St., Norway, 04268  
Orr, Kenneth E., Chief, Fire Department, Brunswick, 04011  
Oxton, Robert M., Chief, Fire Department, Camden, 04843  
Page, Warren, Chief, Fire Department, Boothbay Harbor, 04538  
Randall, Carl D., Chief, Fire Headquarters, Topsham, 04086  
Raymond, Robert W., Chief, Sturgeon Cove Fire Brigade, Shermans Pt., Box 401, Camden, 04843  
Redman, Robert G., Chief, Fire Headquarters, Bucksport, 04416  
Ricker, Howard, Chief, Fire Department, Box 25, Lisbon, 04250  
Robichaud, Gary J., Chief, Fire Department, Orono, 04473  
Rogers, Byron J., Asst. Chief, 790 Main St., Westbrook, 04092  
Rulman, James F., Chief, 790 Main St., Westbrook, 04092  
Ryan, James J., Associates, Fortunes Rocks, Biddeford, 04005  
Silver, Earl F., Sr., Chief, 76 Main St., Freeport, 04032  
Smith, Thomas A., Chief, 226 Temple Ave., Old Orchard Beach, 04064  
Varney, George D., Jr., Chief, Fire Department, Kittery Point, 03905  
Waterman, Willard, Chief, Fire Department, New Gloucester, 04260  
Welch, John F., Chief, Fire Department, York Beach, 03910  
Winslow, Ernest A., Chief, Fire Department, Yarmouth, 04096  
Woods, Donald E., Chief, Fire Department, Caribou, 04736  
York, James B., Chief, 118 Park St., Rockland, 04841

## NEW HAMPSHIRE

Abbot, Edward M., Jr., Chief, Pettinghill Rd., Lyndeborough, 03082  
Allen, Robert B., 243 Atlantic Ave., North Hampton, 03862  
Beliveau, Ernest, Deputy Chief, Fire Department, Lebanon, 03766  
Benjamin, John V., Lieutenant, 479 Broad St., Portsmouth, 03801  
Bitomski, A. R., Chief, Portsmouth Naval Shipyard, Portsmouth, 03801  
Blanchette, Andrew J., Captain, 52 Underhill St., Nashua, 03060  
Boynton, Edward P., Chief, 9 Auburn St., Littleton, 03561  
Brown, Ronald E., Chief, 7 Franklin St., Rollinsford, 03869



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Brown, William K., Chief, Pease Air Force Base, 100 Sherburne Rd., Portsmouth, 03801  
Bunce, Robert F., P. O. Box 488, Jaffrey, 03452  
Butler, James H., Chief (R), 1 Sullivan Dr., Dover, 03820  
Callahan, Robert C., Coordinator, Keene Mutual Aid, Spofford, 03462  
Calvetti, Dominic, Chief, Osgood Rd., Milford, 03055  
Cambell, Robert O., Deputy Chief, 7 Oakwood St., Hudson, 03051  
Carrier, Martin P., Holly Lane, Merrimack, 03054  
Charest, Leo, Deputy Chief, 76 Plummer St., Manchester, 03102  
Chase, Jacob A., Chief, Fire Department, Pembroke  
Chick, Ernest C., Chief, 65 Main St., Newfields, 03856  
Crawell, Paul E., Captain, 73 Douglas St., Keene, 03431  
C.U.E.S. Inc., Caldwell Dr., Amherst, 03054  
Curley, Lawrence R., Chief, Stratford Hollow, Stratford, 03590  
Davis, Ray, Chief, 5 Holmes St., Derry, 03038  
Devlin, Francis E., Asst. Chief, 124 Main St., Jaffrey, 03452  
Desmarais, Paul L., Chief, Wakefield St., Rochester, 03867  
Dewhurst, Raymond T., Chief, Fire Department, Rochester, 03867  
Dick, Alfred W., Chief, Fire Department, Derry, 03038  
Downs, John W., Lieutenant, 617 Woodbury Ave., Portsmouth, 03801  
Dupre, Joseph A., Asst. Chief, Fire Department, Exeter, 03833  
Dutton, Arthur L., Chief, 14 Marshall St., Milford, 03055  
Duxbury, Herbert L., Jr., Chief, Box 15, Merrimack, 03054  
DuVarney, Victor C., Chief, Conant Rd., Nashua, 03060  
Dyer, Merton S., Chief, 8 Grove St., Peterborough, 03458  
Eaton, Richard, Chief, 373 West Rd., Rye, 03870  
Edwards, Franklin, Deputy Chief, Fire Headquarters, Wilton, 03086  
Everett, Douglas N., Morill and Everett Insurance, Concord, 03300  
Finch, Ralph B., P.O. Box 711, Winona Rd., Meredith, 03253  
Fitch, Clarence L., Chief, P.O. Box 625, Henniker, 03242  
Fitz, Robert W., Chief, 13 Homestead Circle, Hampton, 03842  
Flanders, Haven E., 208 Union Ave., Laconia, 03246  
Fletcher, Richard E., Chief, 77 Elm St., Goffstown, 03045  
Foss, Charles, Chief, Fire Department, Wolfeboro, 03894  
Fradette, Edmond, Deputy Chief, 167 Moore St., Manchester, 03102  
Freese, Courtland F. H., Treasurer, Globe Manufacturing, Pittsfield, 03263  
Galvin, John G., Chief, Box 314, Londonderry, 03053  
Garner, S. Bronson, P.O. Box 923, Wolfeboro  
Gilbert, Bruce H., 340 Massabesic St., Manchester, 03103  
Gilpatrick, Frederick J., Chief, 61 Spruce Lane, Dover, 03820  
Glidden, Walter, Asst. Chief, Atkinson St., New Castle, 03854  
Goodwin, James R., Chief, Fire Department, Bow  
Gorski, Edward F., Deputy Chief, 2 Wentworth St., Exeter, 03833  
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Hicks, David, Chief, P.O. Box 13, Londonderry, 03053  
Higgins, Clayton A., Chief, 44 Warren St., Concord, 03301  
Hodson, Alvin E., Chief, Mason Fire Department, R.F.D., Brookline, 03303  
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Jache, William F., Chief, 217 Rosedale Ave., Manchester, 03100  
Jenkins, Peter, Assistant Chief, Fire Department, Goffstown, 03045  
Kingdon, William E., Chief, Fire Department, Salem, 03079  
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LaPoint, Edmund, Asst. Chief, 4 Homestead Rd., Pelham, 03076  
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Pridham, Stanley M., Captain, Elm Court, New Castle, 03854  
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Wool, Louis T., Chief, 20 Water St., Laconia, 03246

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Becker, Charles, Chief, Fire Department, South Staftsbury, 05262  
Brown, Patrick T., Chief, 199 Killarney Dr., Burlington, 05401  
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Cioffi, James S., Jr., Chief, Fire Department, St. Albans, 05478  
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Dailey, Howard C., Deputy Chief, Box 670, Manchester Center, 05255  
Davison, Ray E., Deputy Chief, R.F.D. #2, Box 350, Vergennes, 05490  
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Farnham, Paul J., Asst. Chief, Fire Headquarters, Williamstown, 05679  
Galfetti, Albert B., Chief, 43 Bailey Rd., Barre, 05641  
Gavin, Walter, 957 Gage St., Bennington, 05201  
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Hackett, Kenneth E., Chief, P.O. Box 491, White River Junction, 05001  
Haddad, Edward, Chief, 128 Northside Dr., Bennington, 05201  
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Hopkins, Edward L., Sr., 1st Asst. Chief, Box 145, Manchester Center, 05255  
Howard, Daniel R., Chief, Fire Headquarters, Bellows Falls, 05101  
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Kelley, William E, Chief, Harvest Hills Dr., North Bennington, 05257

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Kilburn, Karl, 2nd Asst. Chief, Box 607, Manchester Center, 05255  
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Landry, George, Jr., Asst. Chief, R.F.D. #1, Montpelier, 05602  
LeBlanc, Joseph D., Deputy Chief, Fire Headquarters, Burlington, 05401  
Leclair, Normand, Lieutenant, 156 South Main St., Brattleboro, 05301  
Mansfield, Wendall M., Asst. Chief, Fire Department, Stowe, 05672  
Mattison, Erwin, Chief, Gore Rd., Bennington, 05201  
Mattison, Howard, Chief, Fire Headquarters, Brattleboro, 05301  
Morancy, Walter, Chief, Highland Ave., White River Junction, 05001  
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Myhre, Arthur, Asst. Chief, Fire Headquarters, Rutland, 05701  
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Nye, Lucius, Asst. Chief, Fire Headquarters, Thetford Center, 05075  
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Smith, Kenneth, P.O. Box 141, Arlington 05250  
Smith, Wayne A., Asst. Chief, 21 Union St., Waterbury, 05676  
Snetsinger, Robert W., Captain, 37 Pleasant St., Montpelier, 05402  
Stephenson, Irvin M., Chief, Fire Headquarters, Williamstown, 05679  
Stone, Richard A., Deputy Chief, Fire Department, Reading, 05062  
Sturtevant, J. Paul, Director, Occupational Safety and Fire Prevention, Montpelier, 05602  
Swezey, Christopher, Sr., Chief (R), Fire Department, Manchester Center, 05255  
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Thompson, Clifton H., Chief, Fire Department, Stowe, 05672  
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Walker, Francis D., Chief (R), 222 Division St., Bennington, 05201  
Wassick, Joseph A., Chief, 108 Congress St., Bennington, 05201  
Welch, Clayton, Asst. Chief, Spruce Lane, R.F.D. #1, Barre, 05454  
Welcome, Jonas R., Deputy Chief, 357 Summer St., Springfield, 05156  
White, Henry, Chief (R), 117 Spring St., Bennington, 05201  
White, Kenneth, Asst. Chief, P.O. Box 401, White River Junction, 05001  
Wilder, Francis, Jr., Chief, Fire Department, Waterbury, 05676  
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Anderson, Edwin C., Chief, East St., Petersham, 01366  
Arena, Charles T., Chief, 24 Range Heights Rd., Lynn, 01904  
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Baer, Louis, P.O. Box 154, West Boxford, 01885  
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Barnard, William E., Fire Department, Shirley, 01463  
Barnes, Kent A., 340 Main St., East Falmouth, 02540  
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Bartley, David L., Chief, Lions Mouth Rd., Amesbury, 01913  
Bartolucci, Albert L., 366 Somerville Ave., Somerville, 02143  
Bates, Drew T., Chief, 1194 Broadway, South Hanover, 02339  
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Beckwith, Charles E., 27 Pine St., Stoneham, 02180  
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Bete, John V., 332 Wells St., Greenfield, 01301  
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Blanchard, Howard M., Chief, 668 Tremont St., Duxbury, 02332  
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Blomquist, Robert C., Comm., Town Hall, Arlington, 02174  
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Brennan, James J., Deputy Chief, Fire Headquarters, Northampton, 01060  
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Butler, Arthur G., Chief, 39 Maplewood Ave., Everett, 02149  
Byrne, Jerome N., Chief, 420 Concord St., Framingham, 01701  
Cady, Willard B., District Chief, 242 Main St., Oxford, 01540  
Cahill, William L., Jr., P. O. Box 2037, Powell, 01851  
Callahan, Edward B., Chief, Fire Headquarters, Woburn, 01801  
Callahan, Joseph P., Chief, Fire Headquarters, Salisbury, 01950  
Capistran, William J., Deputy Chief, 307 Chestnut St., Chelsea, 02150  
Carbrey, George F., 147 Lynn St., Peabody, 01960  
Care, William J., Chief, 2 Prospect St., Erving, 01344  
Carey, Charles R., 6 West Grove St., Middleboro, 02346  
Carle, Gerard A., Chief, 156 Pleasant St., Dracut, 01826  
Carpenter, William G., P.O. Box 782, Marshfield, 02050  
Carrette, William J., 65 Broadway, Lynn, 01904  
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Chase, Mahlon A., Chief (R), 6 Kelly's Pond Rd., West Dennis, 02670  
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Cleary, John F., Chief, 19 Ferry St., South Hadley, 01075  
Clonnan, Edward A., Chief, 100 Harland Rd., Waltham, 02154  
Clough, Glen B., Chief, Fire Department, Hyannis, 02601  
Clough, Norman F., Chief, 11 Echo St., Malden, 02148  
Clougherty, Charles H., Jr., 39 Miller St., Medfield, 02052  
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Crowley, David F., Chief, 99 Revere St., Canton, 02021  
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Cutter, John F., 3rd, Deputy Chief, 24 Rawson Ave., Newburyport, 01950  
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Day, Stanley W., Deputy Chief, Fire Department, Sterling, 01564  
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Dietz, Robert C., Chief, Fire Department, Wilbraham, 01095  
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Doherty, John T., Chief, Fire Department, Amherst, 01002  
Dolan, Joseph L., Deputy Chief, 16 Oak St., Cohasset, 02025  
Dole, Lawrence, 16 Broadway, Lawrence, 01840  
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Donahue, William E., Jr., Chief, 45 Turner Rd., Wellesley, 02181

Douglas, Robert O., Chief, 11 Mark St., Ayer, 01432  
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Doyle, Robert A., 138 Sanders Ave., Lowell, 01851  
Dubois, Homer R., Chief, 31 Rood St., Ludlow, 01056  
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Duff, Robert G., Chief, Fire Headquarters, Tyngsboro, 01879  
Dugas, Armand J., Chief, 406 Fairview St., Athol, 01331  
Duhamel, Clifford J., Chief, 24 Lowell St., Methuen, 01844  
Dunphy, Mat. J., 333 Lincoln St., Hingham, 02043  
Dupuis, Herbert L., Chief, 156 Fuller Rd., Centerville, 02632  
Dupuis, Francis D., 16 Albert Ave., Brockton, 02402  
Durgin, Herbert S., Chief, 120 Dutcher St., Hopedale, 01747  
Dyson, Joseph H., Comm., 60 Washington St., Hudson, 01749  
Eddy, Russell P., Chief, Main St., Swansea, 02777  
Ellis, Leslie F., Jr., Chief (R), 193 Old Plymouth Rd., Sagamore, 02353  
Ellis, Lawrence L., Chief, Eldredge Parkway, Orleans, 02653  
Elliott, Clifton P., Chief, 2 Pemberton Rd., Topsfield, 01983  
Fahey, Richard D., Chief, Fire Headquarters, Natick, 01760  
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Farrington, John M., Chief, 999 Main St., Osterville, 02655  
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Fitzgerald, William P., Comm., 65 Liberty Ave., Lexington, 02173  
Flechtner, Norman M., Chief, Fire Headquarters, Fitchburg, 01420  
Fogerty, Francis E., Chief (R), 87 South St., Brookline, 02167  
Ford, Earl W., Chief, 35 Mill St., Pembroke, 02359  
Fothergill, Herbert C., Chief, 117 Springvale Ave., Chelsea, 02150  
Fredette, Robert, Asst. Chief, 5 Glenwood St., Amesbury, 01913  
Freeman, David M., 30 Standish St., Duxbury, 02374  
Frost, Josiah F., Chief, Fire Department, Sudbury, 01776  
Fuller, Louis E., Chief, Fire Department, Belchertown, 01007  
Gallivan, John E., 739 Granite St., Braintree, 02184  
Gardner, Robert M., Chief, Fire Headquarters, Walpole, 02081  
Garrett, Ralph L., Marshal, 235 Mount Vernon St., West Newton, 02165  
Gaspie, John, Jr., Chief, South Water St., Nantucket, 02554  
Gassett, Oscar, Chief, Fire Department, Halifax, 02338  
Gaudet, Arthur, Chief, Fire Department, Amesbury, 01913  
Gaudet, Robert E., 28 Lombard Ave., Amesbury, 01913  
Gaughan, Richard T., Chief, 868 Pleasant St., New Bedford, 02740  
Gerakaris, Nick, Chief, 4 Munroe Court, Peabody, 01960  
Gerdin, Gerard, Chief, P.O. Box 266, West Stockbridge, 01266  
Gibson, Edwin T., Chief, 120 Bryant St., West Bridgewater, 02379

Gilmore, Howard M., Comm., 99 School St., Winchendon, 01475  
Gobron, Walter C., 5 Summer Lane, Framingham, 01701  
Goff, Walter A., Chief, Fire Department, Rehoboth, 02769  
Goodman, George A., P.O. Box 194, Belmont, 02178  
Goodrich, Forrest R., Chief, Fire Department, East Longmeadow, 01028  
Goodwin, Melvin E., 36 Lynnbrook Rd., Lynnfield, 01940  
Gorham, George F., 30 D St., South Boston, 02127  
Graham, Fred W., Asst. Chief, 479 School St., Stoughton, 02072  
Grant, John J., Chief, 105 Lyman Rd., Milton, 02186  
Gray, Walter E., 106 Rose Hill Way, Waltham, 02154  
Greene, John F., Chief, Fire Department, Blackstone, 01504  
Greenough, Robert C., Chief, Fire Department, Chatham, 02633  
Greenwood, Richard H., Chief, 206 Central St., Gardner, 01440  
Gregaire, Alva J., Chief, 97 School St., Southbridge, 01550  
Gunther, Katherine A., 1404 Lakeview Ave., Dracut, 01826  
Gutowski, Edward C., 623 LaGrange St., West Roxbury, 02132  
Hackett, Edward F., Chief, 141 Grove St., Worcester, 01604  
Hadley, Leslie L., 109 King St., Reading, 01867  
Hall, Charles A., Chief, Fire Department, Harwich, 02645  
Hall, Joseph F., Chief, 1 Union Place, South Braintree, 02184  
Hamblin, George A., Asst. Chief, 2 Delaney Rd., Nantucket, 02554  
Hanks, Charles L., 6 Wildon Rd., Wellesley, 02181  
Hanson, William, Chief, 499 Webster St., Needham Heights, 02194  
Hanson, Henry T., Comm., 3 Second St., Maynard, 01754  
Hardy, Clarence B., P.O. Box 265, East Dennis, 02638  
Harkins, Charles E., H. K. Porter Co., Somerville, 02145  
Harrington, Edward J., Comm., 484 Sherman St., Fall River, 02723  
Harris, Nelson C., Chief, 150 Park St., North Reading, 01864  
Hathaway, Arthur H., Jr., Chief, Notch Rd., Adams, 01220  
Haverty, William J., 1063 Washington St., Canton, 02021  
Hawley, Thomas D., 10 Eisenhower Ave., Natick, 01760  
Heffernan, Walter B., 41 Kingman St., Weymouth, 02188  
Hevey, Robert F., Chief, Fire Department, Ware, 01082  
Hersey, Robert S., Chief, P.O. Box 1317, West Dennis, 02670  
Hill, John J., 195 High St., Boston, 02110  
Hiller, Jay, Chief, Pleasant St., Marion, 02738  
Hilton, Henry L., Chief, Fire Headquarters, Andover, 01810  
Hinckley, Kenneth, Asst. Chief, Fire Department, Rockport, 01966  
Hitchcock, Calvin W., Chief, Otis Air Force Base, Rae Ave., West Wareham, 02576  
Hoar, Charles F., 92 Laselle St., West Roxbury, 02132  
Hochanadel, Paul, 123 Felton St., Marlboro, 01752  
Hodson Fire Equipment Co., Box 221, Acton, 01720  
Holmes, Wallace C., Chief, 246 Main St., Kingston, 02364  
Holmes, Walter, Dwight Ave., Plymouth, 02360



Hood, Charles F., Rev., 3 Hickory Lane, Beverly, 01915  
Hurme, Leo, Chief, Beamon Rd., East Princeton, 01517  
Hyde, William R., Chief, 10 Overhill Rd., Swampscott, 01907  
Inglis, Charles, Deputy Chief, 35 Winter St., West Hanover, 02380  
Januse, Theodore, Chief, Fire Department, Raynham, 02767  
Jenkins, John P., Chief, 453 Church St., West Barnstable, 02668  
Johnson, Everett, Chief (R), 4 Rowena St., Worcester, 01606  
Johnson, Frederick W., Chief, 19 Church St., Leominster, 01453  
Johnson, Walter A., 481 Pleasant St., Malden, 02148  
Kelleher, William E., 451 Pleasant St., East Bridgewater, 02333  
Kenneally, William E., Dist. Chief, 44 Kimball Beach Rd., Hingham, 02043  
Kennefick, John J., 168 Waverly St., Arlington, 02174  
Kerrigan, John T., Chief, Fire Department, Belmont, 02178  
Kershaw, Lawrence M., Chief, 203 Grafton St., Shrewsbury, 01545  
Knight, Richard A., Comm. (R), 159 Main St., Hudson, 01749  
Krau, Richard M., 45 Wilson St., Billerica, 01862  
Lacey, Richard L., Chief, 65 Lowell St., Lawrence, 01840  
Lamb, Arthur H., Chief, Fire Department, Plymouth, 02360  
Lamb, Fred L., Chief, Fire Department, Cheshire, 01225  
Lamparelli, Vincent H., 235 Bear Hill Rd., Waltham, 02154  
Lamson, Lawrence, Chief, 31 Bay Rd., Hamilton, 01982  
Lawler, Joseph E., Chief, Fire Department, Wayland, 01778  
LeBlanc, Albert N., Chief, A. C. Lawrence Leather, Danvers Industrial Park, Danvers, 01923  
LeGrand, Roy A., Chief, Brimfield Rd., Monson, 01057  
Levesque, Alphie P., Chief, 3 Leonard St., Shirley, 01464  
Lewis, Benjamin W., 505 Washington St., Auburn, 01501  
Luxton, John F., Chief, 39 Larch Row, Wenham, 01984  
Lyons, Paul R., 60 Batterymarch St., Boston, 02110  
MacCollom, Welby F., Chief, Fire Department, Sterling, 01564  
MacGregor, Malcolm S., Chief, 256 Central St., Acton, 01720  
Mack, Joseph M., Chief, Fire Headquarters, Somerville, 02144  
Madigan, Cornelius J., Chief, 1827 Providence Rd., Northbridge, 01534  
Mahoney, Frank, Boston "Globe", Boston, 02174  
Mahoney, William W., Chief, 372 Pleasant St., Holyoke, 01040  
Maloney, Walter V., Chief, Fire Headquarters, Wakefield, 01880  
Moroney, William D., 233 Church St., Marlboro, 01752  
Marshall, Barbara, WBZ-TV, Soldiers Field Rd., Boston, 02134  
Marshall, Joseph P., Chief, 18 Oxbow Rd., Lexington, 02173  
Martell, Harry, Jr., Chief, Fire Department, Billerica, 01821  
Martin, Leland E., Jr., Chief, 9 Greenleaf Dr., Danvers, 01923  
Martula, Bernard, Chief, 42 West St., Hadley, 01035  
Mastronardi, Anthony D., Chief, Fire Headquarters, Revere, 02151  
Matheson, Richard B., 170 Wareham St., Middleboro, 02346

- Matta, Joseph C., Chief (R), 4 Lynxholm Court, Hyannis, 02601  
May, Horace L., Jr., Chief, Fire Department, Brookfield, 01506  
May, Madeline A., 143 Allen Ave., Waban, 02168  
Maynard, Herman J., Route 3A, Marshfield, 02050  
McCormack, Edward H., Jr., 44 Pleasant St., Hopkinton, 01748  
McCabe, Leo F., Chief, 74 Clemantis Rd., Medford, 02155  
McDonough, John E., Jr., Chief, Fire Department, Pittsfield, 01201  
McElhinney, Robert W., Chief, 32 Mount Vernon St., Winchester, 01890  
McEnaney, Joseph P., 118 Cedar St., Wellesley Hills, 02181  
McGill, Roger W., Chief (R), Haven St., Dover, 02030  
McGowan, Edward H., Chief, Fire Department, Williamstown, 01267  
McKnight, James P., Deputy Chief, 59 Wayne St., Fall River, 02721  
McNamara, Wendell J., Chief, 145 East St., Wrentham, 02093  
McNary, Herbert L., 33 Broad St., Boston, 02109  
McWalter, David W., 57 Main St., Concord, 01742  
Meacham, Lawrence P., Chief, Ely Rd., Monson, 01057  
Means, Kervin E., Chief, 17 Manomet Ave., Hull, 02045  
Merritt, Warren P., Chief, High St., Norwell, 02061  
Metcalf, Melville O., Chief (R), 1000 Southern Artery, Apt. 601, Quincy, 02169  
Michel, Leo A., Fire Comm., 15 Prevost St., Fall River, 02723  
Miller, Richard C., P.O. Box 215, Newburyport, 01950  
Monroe, Philip E., Chief, Walpole St., Dover, 02030  
Moore, Thomas F., Chief, 42 Church St., Clinton, 01510  
Moore, Wayne D., 14 McIntire St., Lowell, 01851  
Morgan, Charles S., 470 Atlantic Ave., Boston, 02210  
Moriarty, Jeremiah A., Chief (R), 33 Mill St., Westfield, 01085  
Morse, Donald A., Chief, Fire Department, Ashland, 01721  
Mozdziez, Theodore F., Chief, Linebroow Rd., Ipswich, 01938  
Mullarkey, John R., Fire Headquarters, Peabody, 01960  
Mullen, John J., Fire Comm., Flynt St., Palmer, 01069  
Murray, James C., Chief, Fire Department, Northampton, 01060  
Murray, Leo F., Fire Comm., 439 Central St., Winchendon, 01475  
Murphy, William E., Chief, 338 Washington St., Brookline, 02146  
Mussoni, Walter J., 58 Brantwood Rd., Worcester, 01602  
Nanof, Robert T., 8 Forestdale Rd., Paxton, 01612  
Nash, George W., Chief, Fire Headquarters, Middleton, 01949  
Noble, Albert E., Chief, 100 Thatcher Rd., Gloucester, 01930  
Nolan, Thomas A., Chief, 91 Vine St., Saugus, 01906  
Noll, Robert H., Chief, 1000 Western Ave., General Electric, Lynn, 01910  
Nute, J. C., Jr., Fire Warden, 58 Linden St., Needham, 02192  
Niemi, Ernest A., Asst. Chief, Fire Department, Rockport, 01966  
"9-L" Enterprises, Queen Ann Bldg., 570 Boulevard, Revere, 02151  
Oakley, Wilbur R., Maxim Motor Co., Middleboro, 02346  
O'Brien, Francis B., Chief, Fire Department, Melrose, 02176

O'Brien, James E., Chief, Fire Department, Longmeadow, 01106  
O'Brien, John L., Chief, Fire Department, Dedham, 02026  
O'Brien, Michael F., 241 Upland Rd., Cambridge, 02140  
O'Brien, Danny, Asst. Chief, Pittsfield Rd., West Stockbridge, 01266  
O'Connor, John P., 470 Atlantic Ave., Boston, 02110  
O'Dell, Edward T., 30 Avery St., Lowell, 01850  
O'Neill, Edward J., 3 Colby Rd., Roslindale, 02131  
O'Regan, James F., 1 Walkup Dr., Westboro, 01581  
O'Reilly, Robert C., Chief, 99 Main St., Watertown, 02172  
Oliver, William V., Deputy Chief, 186 Highland St., Holden, 01520  
Page, Warren O., Chief, 1 North Atkinson St., Newburyport, 01950  
Palmer, Dean M., Chief, Fire Headquarters, Beverly, 01915  
Paolini, Rocco, Chief, Fire Headquarters, Westboro, 01581  
Paquette, Arthur C., Chief, 146 Washington St., Fairhaven, 02719  
Parent, Leonel, Chief, 26 Taft Ave., Somerset, 02726  
Paul, George H., Fire Comm., 115 Southampton St., Boston, 02118  
Peck, Leighton F., Chief, Fire Headquarters, Falmouth, 02540  
Perkins, Frederick A., Jr., Chief, 1164 Centre St., Newton, 02158  
Perron, Walter N., Chief, 7 Fairview Rd., Westboro, 01581  
Perry, Arthur M., Chief (R), 131 Hillberg Ave., Brockton, 02401  
Perry, Russell J., Chief, Fire Headquarters, Provincetown, 02657  
Petkumas, Joseph D., 333 Lincoln St., Hingham, 02043  
Peterson, Walter H., Chief (R), Mill St., Middleboro, 02346  
Piepenbrink, Charles, Chief, Fire Headquarters, Cohasset, 02025  
Piper, William B., Chief, 330 South Main St., Orange, 01364  
Pizura, Bernard W., 136 Ash St., Stoughton, 02072  
Pomfret, Richard, Hornbine Rd., Swansea, 02777  
Postman, A. L., 9 Garfield St., Cambridge, 02138  
Power, Walter S., Deputy Chief, 21 Fells Ave., Milford, 01757  
Pratt, Robert W., Chief, 267 Woburn St., Reading, 01867  
Prentiss, Robert J., Chief, 3 School St., Upton, 01568  
Proctor, David J. M., 34 Lothrop Rd., Reading, 01867  
Proctor, Irving L., Director, 1 Monument Park, Arlington, 02174  
Quinn, John P., Chief, Fire Department, Nahant, 01908  
Rafuse, Leander F., 70 Brook Rd., Weston, 02193  
Ramsdell, Kenneth B., Chief, 348 Webster St., Rockland, 02370  
Raymond, Richard V., Chief, 130 Main St., Buzzards Bay, 02532  
Rawson, Francis C., Asst. Chief, Old Howarth Rd., Oxford, 01540  
Reardon, James A., Chief, Wilbraham Rd., Hampden, 01036  
Reed, Waldo O., Chief, 261 North St., Georgetown, 01830  
Reid, Frederick H., Chief, 96 Park Rd., Chelmsford, 01824  
Reid, Charles A., Chief, 152 South St., Dalton, 01226  
Reid, John H., Chief, Fire Department, Avon, 02322  
Reidy, Thomas J., Jr., Chief, 271 Main St., Wareham, 02571

Reis, Thomas E., 170 Wareham St., Middleboro, 02346  
Rehm, Harry E., 10 Munroe Ave., Watertown, 02172  
Renta, Philip A., Captain, 31 Cooledge St., Brookline, 02146  
Reynolds, Walter F., Jr., Deputy Chief, Pine St., Medfield, 02052  
Rice, Lawrence F., Deputy Chief, 120 Francis Wyman Rd., Burlington, 01803  
Richard, Francis A., Chief, Fire Department, Yarmouth, 02664  
Richardson, Edward B., Deputy Chief, 58 Myrtle St., Millis, 02054  
Roach, Walter B., Chief, Fire Department, Sharon, 02067  
Roach, Paul J., 333 Lincoln St., Hingham, 02043  
Roach, Paul J., Chief, Fire Headquarters, Stoughton, 02072  
Roberts Co., Inc., Box 77, Wayland, 01778  
Robidoux, Francis A., Chief, Fire Headquarters, Middleboro, 02346  
Roby, Louis J., Jr., Captain, 334 Taunton St., Wrentham, 02093  
Roeder, Harold E., 6 Churchill Lane, Lexington, 02173  
Rogers, George P., Chief, 2 Boston Rd., Westford, 01886  
Roper, Paul H., Chief, 405 Boston Rd., Billerica, 01821  
Rounseville, Cyrus, Jr., Comm., 1434 East Gardners Neck Rd., South Swansea, 02777  
Russo, James J., Fire Comm., 12 Central St., Palmer, 01069  
Ryan, Joseph E., Chief, Fire Department, Medfield, 02052  
Salvini, Hubert S., Chief, Fire Department, Becket, 01223  
Sampson, Thomas P., Comm., 730 State St., Springfield, 01109  
Sanderson, Howard R., Chief, Fire Department, Williamsburg, 01096  
Sarris, Howard, 116 Cottage St., Millis, 02054  
Savioli, Henry J., Chief, Fire Department, Chester, 01011  
Scanlon, Joseph E., Jr., Chief, 40 Lebel Rd., Lynn, 01901  
Schneider, Harry W., Chief, 84 Oak Hill Ave., Agawam, 01001  
Seaverns, Dana L., 185 Franklin St., Rm. 1402, Boston, 02107  
Seiler, Dana K., 340 Main St., East Falmouth, 02540  
Shea, James R., 12 Silverwood Ter., South Hadley, 01075  
Shillady, Robert A., Jr., Box 52 Association, P.O. Box 444, Osterville, 02655  
Shub, Edward I., 40 Lee Burbank Highway, Revere, 02151  
Shurtleff, Morton D., Deputy Chief, 110 Morse Ave., Brockton, 02401  
Sibley, Robert J., Comm., 337 Front St., Winchendon, 01475  
Sibley, David E., 19 Whitney Circle, Auburn, 01501  
Sieverts, Carl L., 333 Lincoln St., Hingham, 02043  
Silva, Manuel F., Chief, Fire Department, East Bridgewater, 02333  
Simons, Shep, 17 Sheridan Rd., Swampscott, 01907  
Sitnik, John J., Chief, West St., Millville, 01529  
Skinner, Clarence E., Chief, 51 Spring St., Plainville, 02762  
Slaney, Lawrence E., Chief, 444 Circuit St., Hanover, 02339  
Slein, John E., 16 Pine Grove Ave., Dedham, 02026  
Smiddy, Earl R., 8 Turnpike Rd., Fayville, 01745  
Smith, Arthur, Chief, 103 Main St., Rutland, 01543  
Smith, Darrell, Chief, Fire Department, Marshfield, 02050



- Smith, Edward H., 650 Ludlow Rd., South Hadley, 01075  
Smith, Raymond, Chief, Hurlbut Papers, South Lee, 01238  
Smith, Marshal W., Comm., Old Centre - Fire Department, Winchendon, 01475  
Sneider, Joseph G., Fire Marshal, 1010 Commonwealth Ave., Department of Public Safety, Boston, 02134  
Solid State Technology, Inc., Upton Dr., Wilmington, 01887  
Sorbi, A. L., A. D. T. Company, Industrial Park, 11 N Ave., Burlington, 01803  
Sorensen, Raymond L., Chief, 31 Bear Hill Rd., Stoneham, 02180  
Stank, Walter, Chief, North Main St., Upton, 01568  
Stanley, Norman W., Asst. Chief, 192 Main St., Whitinsville, 01588  
Stephenson, John, Chief, East Main St., Bolton, 01740  
Stetson, M. D. Co., 168 A St., Boston, 02210  
St. Germain, Roger D., Chief, New Boston Rd., Dudley, 01570  
Stevens, James O., Chief, Fire Department, Weymouth, 02188  
Stevenson, James A., 5 Washington St. (C4), Reading, 01867  
Stewart, Arthur P., Chief, Fire Headquarters, Hopkinton, 01748  
Stewart, Walter M., Chief, 55 Allen St., Scituate, 02066  
St. Onge, Joseph A. W., 333 Lincoln St., Hingham, 02043  
Stover, Howard, 32 Scandinavia Ave., Worcester, 01603  
Sturtevant, Howard F., Chief, 8 Wharf Dr., Groveland, 01830  
Sullivan, John A., 434 Old South Bldg., Boston, 02108  
Sweeney, George H., Chief, Fire Department, Bridgewater, 02324  
Swett, Walter J., R. 205 Western Ave., Gloucester, 01930  
Tapper Club of Boston, Inc., 99 West Fourth St., Boston, 02127  
Taylor, Irving W., Chief, 30 Main St., South Ashburnham, 01466  
Taylor, Robert W., Comm., 15 Glenland Rd., Chestnut Hill, 02167  
Teece, Robert D., Chief, Fire Headquarters, Randolph, 02368  
Teele, Bruce W., 470 Atlantic Ave., Boston, 02210  
Tenney, Robert A., Chief, 1 Union Place, Braintree, 02185  
Thayer, Vincent R., Chief, P.O. Box 65, Bellingham, 02019  
Theodore, Gus, Chief, District #1, Palmer, 01069  
Tibbetts, Bruce J., 1 Campbell Circle, Tewksbury, 01876  
Tilton, Everett E., Chief, Fire Department, Vineyard Haven, 02568  
Tluszez, Ludwik S., Chief, Box 98, Rte. 8, Sandisfield, 01255  
Togneri, Francis C., Chief, 59 Millers Falls Rd., Turners Falls, 01376  
Tolos, James M., 59 Arlington St., Fitchburg, 01420  
Tonini, Lawrence, Asst. Chief, State Line Rd., West Stockbridge, 01266  
Toomey, John J., Deputy Chief, 21 Oakland St., West Springfield, 01089  
Tracy, John P., Chief (R), P.O. Box 539, Great Barrington, 01230  
Trottier, Roland J., Deputy Chief, 40 Orchard St., Bellingham, 02019  
Tuck, Charles A., Jr., 470 Atlantic Ave., Boston, 02210  
Tyler, Bartlett, 390 Atlantic Ave., Cohasset, 02025  
Ulm, Robert F., Chief, Fire Headquarters, Bedford, 01730  
Vaughan, Hugh F., Iron Horse Park, North Billerica, 01862

Weeks, Harold, Chief, Fire Department, Barre, 01005  
Whalen, George F., Chief, Summer St., Maynard, 01754  
Whalen, Walter E., Captain, 121 Hawthorne Lane, Concord, 01742  
Whalen, James D., Chief, Fire Headquarters, Easthampton, 01027  
White, George A., 125 Shawmut Rd. Ext., Canton, 02021  
White, Manual A., Chief (R), 21 Tremont St., Provincetown, 02657  
White, Ralph H., Chief (R), 41 Central St., Auburn, 01501  
White, Joseph T., Chief, Fire Department, Dighton, 02715  
Whitehall, Roger G., Bay State Gas Co., 2025 Roosevelt Ave., Springfield, 01101  
Wiggin, Herbert J., Chief, 703 High St., Westwood, 02090  
Winsor, Robert K., Chief, 268 Bedford St., East Bridgewater, 02333  
Wilson, Waldo, Chief, Fire Department, Carlisle, 01741  
Winters, Roland G., Asst. Chief, 322 Converse Rd., Marion, 02738  
Woodsmall, John R., Deputy Chief, P.O. Box 401, Sterling, 01564  
Young, Murray, 2 Ashcroft St., Wakefield, 01880

### RHODE ISLAND

Abreu, John F., Chief, Wyatt Rd., Middletown, 02840  
Andrews, Earl, Chief, 61 Tucker St., Lincoln, 02865  
Angell, Samuel E., Chief, Fire Department, Cumberland Hill, 02864  
Arcand, Raymond J., Chief, 1520 Atwood Ave., Johnston, 02919  
Aylward, Thomas, Deputy Chief, 309 West Allerton Rd., North Kingston, 02852  
Batchelder, Earl H., Chief (R), 34 Steere Ave., Centerdale, 02911  
Bedard, Robert J., Chief (R), Leigh Rd., RFD #2, Cumberland, 02864  
Billington, James, Chief, 56 East Earle St., Cumberland, 02864  
Bissonnette, Constant, Chief, 105 Winter St., Manville, 02838  
Bonn, Thomas W., Chief, 140 Veterans Memorial Drive, Warwick, 02886  
Broadline Industries, 1240 Pawtucket Ave., Rumford, 02916  
Burns, John K., Deputy Chief, 40 Whipple Street, Cumberland, 02864  
Cappelli, Angelo R., Chief, 1520 Atwood Ave., Johnston, 02919  
Carlow, Everett A., Chief (R), 173 George Arden Ave., Warwick, 02800  
Carmello, Allyn, Chief, 2296 Hartford Ave., Johnston, 02919  
Cashman, John J., Chief, 1580 Wampanoag Trail, Barrington, 02806  
Champlin, G. Byron, Jr., Chief, Brood Street, P.O. Box 295, Ashaway, 02804  
Champlin, Richard, Chief, Dunn's Corners Fire Dept., Westerly, 02891  
Charello, Ralph J., Chief, 1967 Mineral Spring Ave., North Providence, 02904  
Church, Raymond A., Deputy Chief, 301 Pontiac Ave., Cranston, 02910  
Connerton, William H., Chief, 21 West Marlborough St., Newport, 02840  
Comolli, Claudio A., Asst. Chief, Fire Department, Westerly, 02891  
Costa, Herbert R., Chief, Ashton Fire Department, Ashton, 02864  
Croteau, Frank E., Comm., 18 Spring St., Pascoag, 02859  
DiGiulio, Edward A., Chief, Centredale Fire Department, North Providence, 02911

Doorley, James H., Jr., 306 Fruit Hill Ave., Providence, 02900  
Dumbar, Paul M., Chief, RFD, Greene, 02827  
Dupointe, Francis, P.O. Box 194, Chepachet, 02814  
Fairley, Donald, Deputy Chief (R), 82 Galant Dr., Warwick, 02800  
Gallant, Francis, Chief, 155 Roosevelt Ave., Pawtucket, 02860  
Gareau, Raoul E., Chief, 220 New London Ave., West Warwick, 02893  
Genest, Roger O., Eezee Lift Sling Co., 27 Foundry St., Central Falls, 02863  
Guilmet, Edward T., 89 Yale Ave., Warwick, 02888  
Hill, Daniel E., Jr., Chief, Station St., Coventry, 02816  
Hodges, Frederick J., Hodges Badge Co., Inc., Schoolhouse Lane, Portsmouth, 02871  
Joly, Robert A., Chief, 13 Cushing St., Cumberland, 02864  
Jones, H. LeRoy, Jr., 400 Bellevue Ave., Newport, 02840  
Jones, Norman, Battalion Chief (R), 154 Twin Oak Dr., Warwick, 02889  
Jones, Ronald S., Deputy Chief, 25 Althea Dr., Cranston, 02920  
Kane, Arthur L., Chief, 14 Maude Ave., Coventry, 02816  
Lajoie, Theodore P., Deputy Chief, 308 Park Place, Woonsocket, 02895  
Landry, Gerald P., Chief, 358 Robinson St., Woonsocket, 02895  
Lariviere, Denis, Chief, Fire Department, Albion, 02802  
Linden, Oscar E., Chief (R), 220 Katick Ave., Warwick, 02800  
Maher, James C., Chief, P.O. Box 188, Glendale, 02826  
Mackay, Robert F., Chief, Union St., Westerly, 02891  
Maine, William H., Chief, 301 Pontiac Ave., Cranston, 02910  
Martel, Joseph J., Chief, 34 Scott Rd., Ashton, 02864  
Matteson, Ralph R., Jr., Battalion Chief, 15 Eldridge Ave., Warwick, 02800  
McDonough, William F., Chief, Ladd School Fire Dept., Box 9, North Kingston, 02852  
Moise, Michael, Chief, Fire Headquarters, Providence, 02900  
Moitoza, Frank G., Deputy Chief (R), 1 Admiralty Dr., Middletown, 02840  
Monahan, Joseph A., Chief, 68 Rodman St., Narragansett, 02882  
Mongeau, Henry J., Chief, 150 Grove St., Lincoln, 02865  
Morris, Henry M., Chief, RFD #3, Westerly, 02891  
Moulson, Norman J., 14 Whipple St., Berkeley  
Mowry, Robert E., Chief, RFD #2, Woonsocket, 02895  
Narciso, Frank, 2nd Asst. Chief, Union St., Westerly, 02891  
Notarantonio, Joseph, 1703 Mineral Springs Ave., North Providence, 02908  
Notarantonio, Joseph A., 451 Smithfield Rd., North Providence, 02904  
O'Brien, Leslie J., Dep. Fire Marshall (R), 21 Kilton Lane, Coventry, 02816  
O'Donnell, Joseph H., Jr., 11 Getchell St., North Smithfield  
Osborne, L. Wilfred, Chief, 38A Sayles Ave., Pascoag, 02859  
Parisi, Henry J., Chief, 45 Greenville Ave., North Providence, 02911  
Parker, Shelton C., Chief, Nate Whipple Highway, RFD #2, Cumberland, 02864  
Parker, John N., North Attleboro Rd., RFD #2, Cumberland, 02864  
Perry, Oliver H. J., Chief, 1674 Louisquisset Pike, Lincoln, 02865  
Pryor, James H., Chief, 27 Flynn Ter., West Warwick, 02893  
Rathbun, Herbert, 3rd Asst. Chief, Union St., Westerly, 02891

Salisbury, George F., Chief, Fire Department, Central Falls, 02863  
Sanford, Melvin E., Sr., Chief, 22 South Ave., Tiverton, 02878  
Segee, Walter I., Deputy Chief, 951 Greenville Ave., Greenville, 02828  
Segee, Norman R., Chief, Fire Department, Greenville, 02828  
Shaw, John E., Jr., 1520 Atwood Ave., Johnston, 02919  
Silvia, M. C., Chief, Fire Department, Middletown, 02840  
Smith, Frank W., Jr., Chief, 161 Oakwood Dr., Peace Dale, 02883  
Stanley, Frederick A., Chief, Hope Valley Vol. Fire Assn., Inc., Hope Valley, 02832  
Sykes, George F., 912 Trague Ave., Coventry, 02816  
Tessier, Lucien, Deputy Chief, 110 Church St., Manville, 02838  
Unsworth, John E., Chief, 913 Broadway, East Providence, 02914  
Varone, Francis J., Chief, 27 Scott Rd., Ashton, 02864  
Warrender, Duncan A., Chief (R), Hill Farm Road, RR #4, Coventry, 02816  
White, Frank H., Chief, 145 George Arden Ave., Warwick, 02886  
Ward, John, Editor, Firefighters Column, Providence "Journal", Providence, 02900  
Wilder, Robert C., Chief, 2444 East Main Rd., Portsmouth, 02871  
Williams, Robert H., Chief, 71 Middle St., Lincoln, 02865  
Wyatt, Otis C., Jr., Battallion Chief, 53 Beechcrest St., Warwick, 02888

## CONNECTICUT

Abern Safety Equipment Corp., P.O. Box 843, 37 Warehouse Point Rd., Wallingford, 06492  
Adams, Roy W., 394 Alden Ave., New Haven, 06515  
Aiken, Raymond, Chief, 17 West Shore Dr., Enfield, 06082  
Amatrudo, Andrew A., Chief, 1139 Foxon Rd., North Branford, 06471  
Anderson, Thomas, Dist. Chief, Cos Cob Fire Department, Greenwich, 06830  
Andresen, Jon, Asst. Chief, 8 White Rock Dr., Windsor, 06095  
Audley, Harry A., Chief, 1 Church St., Westport, 06880  
Bacon, Edward C., Chief, Fire Headquarters, Rocky Hill, 06067  
Barrett, John P., 185 Southport Woods Dr., Southport, 06490  
Bartolucci, Guido, Chief, 25 Braemer Place, New London, 06320  
Bar-Way Man. Co., P.O. Box 640, Stamford, 06904  
Basile, Anthony D., Chief, 181 North Main St., Bristol, 06010  
Backer, Earl R., Chief, 218 Old Tavern Rd., Orange, 06477  
Black, Douglas R., Chief, General Dynamics, Electric Boat Div., Groton, 06340  
Breen, Edward J., Chief, 24 Chestnut St., Norwich, 06360  
Brochu, Felix, Chief, 26 Jordan Ter., Waterford, 06385  
Bronsord, Arthur C., Chief, International Silver, 25 Curtis Ave., Wallingford, 06492  
Brooks, Alfred E., Chief, 9 Haley St., Mystic, 06355  
Brownridge, George R., Chief, Turn of River Fire Department, 447 West Hill Rd., Stamford, 06902  
Brodack, Chester H., Deputy Chief, 1485 Main St., Newington, 06111  
Bruno, Blase, Dep. Chief, 22 Locust St., Greenwich, 06830



- Bucci, Joseph, Deputy Chief, 50 Prospect St., P.O. Box 925, Greenwich, 06830  
Buttery, Chester W., Jr., Asst. Chief, 45 Ogden Rd., Stamford, 06900  
Byington, Donald A., Chief, 238 Danbury Rd., Wilton, 06897  
Canzano, Peter F., Chief, 260 Turn of River Rd., Stamford, 06905  
Case, Walter P., Comm., 9 Pond Hill Rd., North Haven, 06473  
Catlin, F. Archer, Fire Comm., 16 Driscoll Rd., Branford, 06405  
Ceccolini, John, Captain, 26 Palmer Wood Circle, Branford, 06405  
Chapman, David, Shipman Fire Equipment, Waterford, 06385  
Christensen, Kenneth, Chief, 74 West Rosemont Ave., Windsor, 06095  
Clifford, James, Chief, Fire Co. Inc., Glenville, 06830  
Cloutier, Norman G., Chief, 28 Cobblestone Way, Windsor, 06095  
Corey, David, Box 288, 9 Old Grove St., New Milford, 06776  
Cormier, Patrick, Chief, Fire Department, Willimantic, 06226  
Cotter, Edward J., Jr., Chief, 32 Mohawk Ave., Derby, 06418  
Crombie, Philip E., Chief, 73 Edgewood Dr., South Windsor, 06074  
Cyrulik, Francis O., Chief (R), 70 West St., Middletown, 06457  
Daly, Raymond D., Chief, RFD #2, Danielson, 06239  
Daly, Robert, Chief, Hartford Hospital, Hartford, 06115  
Danielson, Robert W., 73 Ferry Rd., Chester, 06412  
Davis, Robert A., 254 Kimberly Ave., New Haven, 06519  
Dodge, John G., Chief, P.O. Box 68, Plainfield, 06374  
Doherty, James E., Asst. Chief (R), 18 Flagler Ave., Cheshire, 06410  
Ellison, Raymond M., Chief (R), 229 Foster Rd., South Windsor, 06095  
Endee, Edward K., Chief, 1558 Poquonock Ave., Poquonock, 06064  
Felner, Robert, 757 High St., Fairfield, 06430  
Fennelly, Edward F., Chief, 275 Pearl St., Hartford, 06103  
Finger, Clyde M., Chief, 33 Reservoir St., Bethel, 06801  
Fitzgerald, Michael, Chief, 10 Brook St., East Hartford, 06108  
Foley, Stephen C., Reverend, 50 South Elm St., Windsor Locks, 06096  
Ford, Laurence M., Fire Comm., Fire Headquarters, Reading Center, 06875  
Franco, Mirano, 50 Yates St., West Haven, 06516  
Freimuth, Charles J., Chief, 53 High St., Terryville, 06786  
French, Douglas, 1st Asst. Chief, 1240 High View Ter., Cheshire, 06410  
French, Paul E., Deputy Chief, 27 Pratt St., Rocky Hill, 06067  
Gallitto, William J., Chief, South Fire District, Middletown, 06457  
Gardner, Franklin, Asst. Chief, 5 Mill Rd., East Lyme, 06333  
Gasper, John, Chief, 41 Maple St., Naugatuck, 06770  
Gilman, Donald, Chief, P.O. Box 548, Putnam, 06260  
Gowans, David J., Deputy Chief, 1758 Musso View Ave., Cheshire, 06410  
Griffin, Donald, Chief, P.O. Box 15, Hebron, 06248  
Grote, James L., Chief, 25 Grote Rd., Chester, 06412  
Gustafson, Norman, Chief, 68 South Main St., Colchester, 06415  
Haber, Edward R., Chief, 346 Spruce Brook Rd., Berlin, 06037  
Hageman, William, Chief, Hageman-Shean Rd., Goshen, 06756

- Haley, Ross, Chief, Fire Headquarters, Center Groton, 06340  
Hall, Warren E., Chief (R), 80 Brook Lane, Cheshire, 06410  
Hallgren, E. William, Chief, 107 White Rock Dr., Windsor, 06095  
Harrington, Kenneth, Deputy Chief, 51 Palmer Ave., Hamden, 06514  
Hartigan, John J., Chief, Sea Hill Rd., North Branford, 06471  
Haury, John W., Asst. Chief, 604 Skiff St., North Haven, 06473  
Hayes, Charles A., Comm., 7 Milton Rd., Quaker Hill, 06375  
Healey, W. A., Chief, 72 New Haven Ave., Milford, 06460  
Heimer, Edward, 212 Clemant Rd., East Hartford, 06118  
Holmberg, Rudolph, Capt., 1114 Bartolomew Rd., Middletown, 06457  
Howard, Thurston, Chief, Fire Headquarters, Waterford, 06385  
Howell, Joseph C., Chief, 366 Elm St., West Haven, 06516  
Hoysradt, William A., Chief, 117 Water St., Torrington, 06790  
Hroziencik, Rudy, Dist. Chief, Fire Department, Greenwich, 06830  
Hughes, Clinton L., Chief, 135 Highland St., Wethersfield, 06109  
Hutchinson, Leo A., Chief, Fire Headquarters, Simsbury, 06070  
Jankovich, Daniel, Dist. Chief, Old Greenwich Fire Department, Greenwich, 06830  
James, Philip M., Captain, 39 Susan Lane, North Haven, 06473  
Jezouit, Anthony W., Chief, 236 Windsor Ave., Wilson, 06095  
Johnson, Howard L., Chief, Canton Vol. Fire Assn., Box 30, Canton Center, 06020  
Johnson, William M., Chief, Wilshire Rd., Vernon, 06066  
Jussaume, Ronald, Chief, RFD #1, Dayville, 06241  
Kajack, Cornelius, Dist. Chief, Fire Department, Cos Cob, 06807  
Kalasky, Joseph, Chief, 110 Carr Ave., Newington, 06111  
Keichluff, Richard T., Dept. Chief, Woodworth Dr., Quaker Hill, 06375  
Kellogg, Charles E., Deputy Chief, Division of Fire, 505 Silas Deane Hwy., Wethersfield, 06109  
Kenneson, Ralph G., 22 Lovell Ave., Windsor, 06095  
Keseke, Joseph, Chief, Bell Town Fire Department, Stamford, 06905  
Kiley, James E., Asst. Chief, 21 Willard Ave., Newington, 06111  
Klein, Peter J., Jr., P.O. Box 1111, Middletown, 06457  
Koser, George N., Chief, Woodruff Rd., Litchfield, 06759  
Krois, Max, Dist. Chief, Fire Headquarters, Byram, 10573  
Kubricky, John, Dist. Chief, Fire Headquarters, Byram, 10573  
Kulesh, George, Dist. Chief, Fire Department, Byram, 10573  
Lally, William R., Jr., Dep. Chief, Central Fire Station, Greenwich, 06830  
Lamphier, Avery W., Chief, 935 Main St., Watertown, 06795  
Landry, Wilfred J., Dep. Chief, 51 Jupiter Pt. Rd., Groton, 06340  
Lawlor, John A., 1st Asst. Chief, 50 Hoadley St., Naugatuck, 06770  
Leddy, V. Paul, Chief, 22 Cumpstone Dr., Hamden, 06514  
Leland, Kenneth, Captain, 220 Thames St., New London, 06320  
Lenard, Jules, Chief, 120 Preston St., Windsor, 06095  
Leonard, James B., Chief, Banksville Ind. Fire Co., RFD #1, Greenwich, 06830  
Limerick, Francis J., Chief (R), 47 Strickland St., Manchester, 06040

Littlefield, Theodore, Chief, Rt. 207, Box 25, Lebanon, 06429  
Linke, Richard A., Chief (R), 242 Patton Dr., Cheshire, 06410  
Loonam, Frank, Asst. Chief, Fire Department, Cheshire, 06410  
Lundgren, Hans M., Chief, 1145 North Ave., Stratford, 06497  
Maguda, Donald, Chief, 61 Franklin St., Rockville, 06066  
Mahaney, John, Asst. Chief, 29 Spruce St., Bloomfield, 06002  
Maloney, Joseph F., Chief, P.O. Box 2022, Waterbury, 06702  
Marr, James, Dist. Chief, Fire Department, Byram, 10573  
McAuliffe, John J., Deputy Chief, 149 Boulten Rd., Wethersfield, 06109  
McCarthy, Maurice, Battalion Chief, 345 Highland Ave., Waterbury, 06708  
McElvery, Arthur, Dist. Chief, Fire Department, Old Greenwich, 06870  
McFadden, Frank, Dist. Chief, Fire Department, Greenwich, 06830  
McKeon, Robert, Chief, RFD #4, Occum, Norwich, 06360  
McTeague, James, Dept. Chief, 739 Old Main Rd., Rocky Hill, 06067  
Mead, Herbert, Dist. Chief, Fire Department, Round Hill, Greenwich, 06830  
Miazga, Peter, Dist. Chief, Fire Department, Glenville, 06830  
Milewski, Henry W., Chief (R), 22 Page St., Norwich, 06360  
Miller, Robert E., Chief, 456 Hope St., Glenbrook, 06906  
Monahan, Andrew, 270 Brinsmayd, Stratford, 06497  
Montgomery, Russell, Chief, Bacon Rd., Roxbury, 06783  
Moore, Frederick J., Chief, 165 Goodhill Rd., Weston, 06880  
Morgan, Craig, Deputy Chief, 698 Kennedy Rd., Windsor, 06095  
Moughty, John J., Chief, 67 Sound Beach Ave., Old Greenwich, 06870  
Novak, John, Dist. Chief, Fire Department, Byram, 10573  
Nielsen, Geoffrey, 41 Longview Dr., Wethersfield, 16109  
Norton, David J., Chief, 37 High St., Portland, 06480  
Oleksiw, Michael, Chief, 721 Kennedy Rd., Windsor, 06095  
Ottone, Charles A., Chief, Fire Department, East Hampton, 06424  
Pach, Joseph, Chief, East Haddam Vol. Fire Dept., Moodus, 06469  
Paffido, William J., Deputy Chief, Fire Department, Greenwich, 06830  
Parker, Arthur H., 660 Mix Ave., Hamden, 06514  
Peabody, Douglas, Chief, Cohanzie Fire Co. #5, 53 Dayton Rd., Waterford, 06385  
Pelletier, Kenneth F., Chief, Fox Run Lane, Newtown, 06470  
Pickering, John W., Sr., Chief (R), P.O. Box 37, New Canaan, 06840  
Platt, John, Mohegan Fire Co., Inc., P.O. Box 272, Uncasville, 06382  
Potter, Raymond, Jr., Chief, Prospect St., Suffield, 06078  
Prentice, John W., Comm., 10 Lanyard Lane, Waterford, 06385  
Redican, Robert E., Chief, 61 Pratt St., Meriden, 06450  
Regier, Frank F., Chief, 10 Cottage Grove Circle, Bloomfield, 06002  
Remlong, Daniel, Jr., Chief, 419 Strawberry Hill, Stamford, 06900  
Riordan, John E., Chief, 413 High St., Middletown, 06457  
Robbins, David C., Dist. Chief, Fire Department, Greenwich, 06830  
Rosadini, John P., Chief, 26 Broadway, North Haven, 06473  
Rosso, Anthony M., Chief, 114 Cole Lane, Kensington, 06037

- Rourke, Raymond, Comm., 18 Kneen St., Shelton, 06484  
Sampietro, Victor L., Chief, 20 Admiral St., West Haven, 06516  
Sansevero, Michael, Asst. Chief, Village St., Northford, 06472  
Sawyer, Carl P., Chief, 13 Fort Hill Rd., Groton, 06340  
Sawyer, Carl R., P.O. Box 801, Groton, 06340  
Sawyer, Robert G., Chief (R), River Run of New Hartford, Rte. 44, Apt. 4-1, New Hartford, 06057  
Scarano, William M., Chief, 140 Broad St., Groton, 06340  
Schaefer, Raymond A., Chief, RFD #1, Box 316, Gales Ferry, 06335  
Scheer, Charles F., Chief, 567 Orchard Rd., Kensington, 06037  
Schroll, Ted., Dept. Chief, Fire Department, Wethersfield, 06109  
Seymour, R. Eugene, Chief, 121 Connecticut Ave., South Norwalk, 06854  
Shanaghan, John, Chief, Box 4, East Haddam, 06423  
Shea, Joseph, Chief, 34 Robinson St., Pawcatuck, 02891  
Sherwood, William, Dist. Chief, Fire Department, Byram, 10573  
Shuttleworth, Walter F., Inspector, Fire Headquarters, Greenwich, 06830  
Silliman, John T., Asst. Chief, 1723 Poquonock Ave., Poquonock, 06064  
Sisitzky, Aaron, Chief, 8 Kellogg St., Windsor, 06095  
Sposta, Fred, Dist. Chief, Fire Department, Greenwich, 06830  
St. John, Edward B., Chief, 178 Bronson Dr., Middlebury, 06762  
Strain, Francis, Dist. Chief, Round Hill Fire Department, Greenwich, 06830  
Strain, William, Chief, Old Mill Rd., Greenwich, 06830  
Sweeney, Francis J., Chief, 952 Grand Ave., New Haven, 06500  
Sylvia, Richard P., Chief, 24 Stanton Rd., Darien, 06820  
Teichert, Charles, Chief, Fire Department, Greenwich, 06830  
Tice, Richard, Chief, 1725 Marion Rd., Cheshire, 06410  
Titworth, John, Chief, Fire Department, Greenwich, 06830  
Tomanio, Eugene, Asst. Chief, 8 Beechwood Dr., Danbury, 06702  
Toth, Arthur W., Chief, 310 North Main St., Southington, 06489  
Tweed, John H., Jr., Chief, P.O. Box 4, Branford, 06405  
Uricchio, Mark A., Chief, 32 Filley St., Windsor, 06095  
Vescovi, Leno Hank, Chief, Box 950, Submarine Base, Groton, 06340  
Vinchetti, James, Deputy Chief, 14 West Brook Rd., Rocky Hill, 06067  
Wakefield, George J., Chief, P.O. Box 234, Dayville, 06241  
Wallace, Samuel E., 122 Cross Rd., Waterford, 06385  
Wallace, Ernest P., 22 Porter St., Quaker Hill, 06375  
Walsh, William T., Jr., Asst. Chief, 109 Grove St., Windsor, 06095  
Weber, Fred, Deputy Chief, 22 Chapin Ave., Rocky Hill, 06067  
Weigold, John, District Chief, Fire Department, Old Greenwich, 06870  
Whelen Engineering Co., 3 Winter Ave., Deep River, 06417  
Willey, Kenneth, Pecksland Rd., Greenwich, 06830  
Williams, John A., Deputy Chief, Contour Dr., Cheshire, 06410  
Williams, Spencer C., Chief, 230 Niantic River Rd., Waterford, 06385  
Wilson, Kenneth E., Chief, 31 Park St., Guilford, 06437



Wino, James G., Chief, 6 Ellen Ward Rd., Waterford, 06385  
Wright, George, Bradley International Airport, Windsor Locks, 06096  
Yacavone, Arthur J., Chief, 2458 Albany Ave., West Hartford, 06117  
Yocher, Douglas A., Asst. Chief, 185 Nansion Rd., Cheshire, 06410  
Youngquist, Joseph W., Chief, 179 Country Club Rd., Cheshire, 06410  
Zahalka, John, District Chief, Fire Department, Glenville, 06830  
Zint, Frank M., Chief, 51 Forest Ave., Old Greenwich, 06870

### OUTSIDE NEW ENGLAND

Akron Brass Co., 1450 Spruce St., P.O. Box 86, Wooster, Ohio 44692  
Baird, Robert D., 3200 West Market St., Akron, Ohio 44313  
Beajer, H. W., 145 Orenda Rd., Brampton, Ontario, Canada  
Boys, William, 140 Cuyler St., Palmyra, N. Y. 04522  
Cairns & Brother, Inc., 354 Bloomfield Ave., Allwood, Clifton, N. J. 07012  
Casey, James F., Editor, "Fire Engineering", 666 Fifth Ave., New York, N. Y. 10019  
Cosegrove, Joseph F., "Fire Engineering", 666 Fifth Ave., New York, N. Y. 10019  
Circul-Air Corp., 565 East Milwaukee Ave., Detroit, Mich. 48200  
Rousseau, Joseph B., 2405 Homestead Ave., Spring Lake Heights, N. J. 07762  
Downer, Donald R., 13759 Frame Rd., Poway, Calif. 92064  
Engelbrecht, Fred J., Newfoundland Professional Building, Route 23, South Bound,  
Newfoundland, N. J. 07435  
Flinn, Donald D., Bus. Mgr., Int. Assn. Fire Chiefs, Suite 1108, 1725 K St., N.W.,  
Washington, D. C. 20006  
Guard, Bruce, 1302 West Beardsley Ave., Elkhart, Ind. 46514  
Griffolyn Co., Inc., P.O. Box 33248, Houston, Texas 77033  
Haldane, William H., Chief, 342 South Van Dien Ave., Ridgewood, N. J. 07450  
Hannay, Clifford B. & Sons, Inc., Westerlo, N. Y. 12193  
Jollimore, Elliot C., 1954 Furman Ct., Cocoa, Fla. 32922  
Murphy, Edward L., Jr., 1400 East Washington Ave, Madison, Wis. 53700  
Nichols, Frank M., West Greystone Rd., Spotswood, N. J. 08884  
Rainer, Walter J., American LaFrance, Elmira, N. Y. 14900  
Robbins, Earl H. Chief (R), P.O. Box 92, Fort Ann, N. Y. 12827  
Russoman, Joseph V., Comm., 117 Liberty St., Bloomfield, N. J. 07003  
Norman F. Van Dorp, Vice President, Snorkel Fire Equipment Co., Lake Ave. and  
Arizona, St. Joseph, Mo. 64500  
Short, Arthur R., 10 Lincoln Ave., Pompton Plains, N. J. 07444  
Thibault, Pierre, (1972) Ltd., P.O. Box 210, Pierreville, Quebec, Canada  
Waldoch, Michel P., Waterous Co., East Fillmore St., St. Paul, Minn. 55076  
Weisweaver, R. C., Elkhart Brass, Elkhart, Ind. 46514  
Veit, John O., Pres., Braxmar Co., 216 East 45th St., New York, N. Y. 10017

**HONORARY LIFE MEMBERS**

- Abel, Henry F., Chief (R), 48 Noroton Ave., Darien, CT 06820  
Adams, John F., Chief, 32 Grant St., Milford, MA 01757  
Amico, I. Francis, Chief, Fire Headquarters, Winchester, MA 01890  
Andrews, Milton C., Chief (R), 96 Carroll St., New Bedford, MA 02740  
Armstrong, Gerald L., Chief (R), East Machias, ME 04630  
Ashton, Roy A., Chief, 739 Pleasant St., Somerset, MA 02726  
Atherley, Samuel W., Chief (R), 170 Topsfield Rd., Ipswich, MA 01938  
Bean, Benjamin M., Chief (R), 8351 N.W. 11th St., Pembroke Pines, Hollywood, FL 33024  
Bedard, Gabriel O., 132 Marsden St., Springfield, MA 01109  
Bishop, Clayton W., 21 Samoset St., Plymouth, MA 02367  
Booker, Everett, Chief (R), 551 Main St., Acushnet, MA 02743  
Booth, Charles L., Chief (R), East Greenwich, RI 02818  
Bourgeoise, Mark J., Chief (R), 15 White Ave., East Longmeadow, MA 01028  
Bowkett, Allan, Chief (R), 98 Judson St., Thomaston, CT 06787  
Boyden, Herman L., Chief, Shattuck Rd., Russell, MA 01071  
Boyle, Edward C., Chief (R), 188 Bristol St., Springfield, MA 01109  
Bragdon, Ralph G., Chief (R), 848 Highland Ave., South Portland, ME 04106  
Bragg, Harold M., Chief (R), RFD #1, Cumberland Center, ME 04021  
Bragg, Kenneth F., Chief (R), 54 Taylor Rd., Foxboro, MA 02035  
Braley, Charles S., Jr., Chief (R), 52 Beach St., Monument Beach, MA 02553  
Breck, Robert G., Chief (R), Baker Hill Rd., Box 413, Newbury, NH 03255  
Brecken, John W., Chief, 132 Prospect St., Marlboro, MA 01752  
Briggs, Eben N., Chief (R), Alden St., Duxbury, MA 02332  
Brodén, Norman D., 82 Leslie St., Cranston, RI 02910  
Brown, Lyman G., Chief (R), 57 Pine St., Natick, MA 01760  
Bugbee, Percy, 60 Batterymarch St., Boston, MA 02110  
Bulger, George A., Chief, 720 Somerset St., Rumford, ME 04276  
Burt, Earl C., Ladd Hall, Vermont State Hospital, Waterbury, VT 05676  
Burnett, E. M., Jr., Chief, Box 537, Millerton, NY 12546  
Butler, George S., Chief, Linden Lane, Duxbury, MA 02332  
Callely, John E., Chief (R), 26 Linden Ave., Beverly, MA 01915  
Canniff, John E., Chief (R), 165 Mystic St., Arlington, MA 02174  
Caouette, Ernest C., Chief (R), 119 Myrtle Ave., Fitchburg, MA 01420  
Carroll, Edward J., Lieut., 26 Brian Circle, South Yarmouth, MA 02664  
Carroll, Walter J., 52 Flagg St., Worcester, MA 01600  
Casey, Gordon, Chief (R), Wilbraham Rd., Hamden, MA 01036  
Cassels, Raymond F., Jay St., North Attleboro, MA 02760  
Champion, Walter M., Jr., Chief, P.O. Box 5, Center Ossipee, NH 03814  
Chouinard, Alfred J., Jr., Chief (R), 888 County St., Somerset, MA 02726  
Clark, Harold B., Chief (R), 30 Carpenter St., Foxboro, MA 02035  
Clark, John F., Chief, 9 Summer St., Westfield, MA 01085  
Clark, Kenneth R., Chief (R), 41 Pleasant St., Medfield, MA 02052

- Cleaves, Freeman G., Chief (R), 11 Middle Rd., Falmouth, ME 04105  
Clayton, William B., Chief (R), 2832 Todd St., Oceanside, CAL 92054  
Clifford, William H., Chief (R), 886A Shore Rd., Cape Elizabeth, ME 04107  
Clougherty, John E., Chief (R), 84 Dunstable St., Charlestown, MA 02129  
Coley, Richard F., Chief (R), 306 Hollywood St., Lehigh Acres, FL 33936  
Colgan, Andrew J., Chief, 338 Washington St., Brookline, MA 02147  
Conrady, William, 22 Earl St., Rockville, CT 06066  
Corcoran, John E., Chief (R), 30 Moulton St., Newton Lower Falls, MA 02162  
Crombie, Peter A., Chief (R), Young Ave., Thompsonville, CT 06082  
Coutermarsh, Herman, Chief, Sausville & Clapper, Lebanon, NH 03766  
Cremo, Joseph R., Chief, 209 Taft Ave., Portland, ME 04102  
Crampton, Frederick R., Chief (R), 297 Austin St., Portsmouth, NH 03801  
Cronin, John J., Chief (R), 14 Oxford St., Malden, MA 02148  
Crosby, William E., Chief (R), 62 Maple St., Stoneham, MA 02180  
Cummings, Merrill A., Chief (R), 40 Union St., South Hamilton, MA 01982  
Crowley, Edward F., Chief (R), 223 Channing Rd., Belmont, MA 02178  
Curran, Charles W., Chief, 24 Hazel Ave., Scituate, MA 02066  
Curtin, Edward M., Jr., 275 Pearl St., Hartford, CT 06100  
Dagon, Francis J., Chief, 56 Williams St., East Hartford, CT 06108  
Dalton, Edward J., 16 Wise St., Jamaica Plain, MA 02130  
Daly, John J., Chief, 78 Briar Cliff Dr., Windsor Locks, CT 06096  
Davidson, Kenneth F., Chief (R), 30 Norman Dr., Bloomfield, CT 06002  
Dawson, William H., Chief, 25 Hoover Rd., Riverside, CT 06878  
DeCarlo, Dominic J., Chief, 41 Maple St., Naugatuck, CT 06770  
Delaney, Leon J., Chief (R), 71 Druids Lane, West Springfield, MA 01089  
Denison, Clifford D., Chief (R), Harrison, ME 04040  
Deslauriers, Theodore A., Chief (R), 26 Smith Ave., Ware, MA 01082  
Despres, Joseph L., Chief, 9 Blosson St., Hudson, MA 01749  
Dodge, Harold A., Chief, 19 West St., Boothbay Harbor, ME 04538  
Donovan, John F., Chief, Evergreen Terrace, RFD #1, Box 12, Durham, NH 03824  
Dottridge, Robert O., Chief, High St., Cotuit, MA 02635  
Dowd, Adrian P., Chief (R), 9 Western Ave., Hull, MA 02045  
Dooling, William J., Chief (R), 36 Clinton St., Malden, MA 02148  
Dougherty, John T., 4003 Woodland Ave., Philadelphia, PA 19104  
Dubois, Rene H., Chief (R), 79 Oak St., Ludlow, MA 01056  
Duckworth, Thomas E., Chief, 170 Bellevue Ave., Warwick, RI 02885  
Dumais, R. G., Chief (R), 142 Pettingill St., Lewiston, ME 04240  
Dulac, Donald A., Chief (R), 115 Far Horizon Tr. Pk., 1474 U.S. Hwy. 19, South, Clearwater, FL 33516  
Dush, William S., Chief, 17 Fox Lane, Newington, CT 06111  
Duso, Carmi J., Chief (R), Enosburg Falls, VT 05450  
Duncan, Alex, Round Hill Rd., Greenwich, CT 06830  
Elliott, Roy P., Chief (R), 37 Royal Crest Dr., Apt. 2, Nashua, NH 03060  
Ellis, Earle J., 395 Skiff St., Hamden, CT 06517

Elmstedt, Russell, Deputy Chief, 150 South St., Bristol, CT 06010  
Erickson, Russell, Chief, Rutland, MA 01543  
Estes, John W., Asst. Chief, 11 Cloudman Court, Westbrook, ME 04092  
Evitts, Ernest L., Deputy Chief, 43 Ellsworth Ave., Beverly, MA 01915  
Farley, J., Joseph, Chief, 22 Chestnut St., Danvers, MA 01923  
Farrington, John E., Chief (R), 2559 Washington St., Canton, MA 02021  
Fitzsimmons, John P., Rev., Plymouth Cong. Church, Belmont, MA 02178  
Flashenburg, Irwin, 30 Wentworth Rd., Canton, MA 02021  
Fletcher, Joseph J., Chief, 65 Welch St., Plainville, CT 06062  
Fogg, Raymond W., Chief (R), 33 Pleasant St., Groton, CT 06340  
Foley, Albert J., 21 Paquette Ave., Manchester, NH 03104  
Fox, Michael J., Chief, 9 Monmouth Drive, Riverside, RI 02914  
Foster, Leonard, Chief (R), 107 East Main St., Merrimac, MA 01860  
Frates, Richard J., Chief (R), 12 North St., Bath, ME 04530  
Freneau, Edward, Chief, 16 Martin Rd., Kittery, ME 03904  
French, Victor M., Chief (R), 19 Converse St., Palmer, MA 01069  
Galligan, Frank E., Chief (R), 64 Greenfield St., Brockton, MA 02401  
Gallagher, James S., Chief (R), P.O. Box 1, Carlisle, MA 01741  
Gamache, George A., Chief (R), 15 River Rd., Brunswick, ME 04011  
Gaughan, Richard T., Chief, 761 Rockdale Ave., New Bedford, MA 02740  
Geer, Russell, Asst. Chief, 43 Garway Ave., Manchester, NH 03100  
Gettings, George L., Chief (R), 43 Loveland Rd., Brookline, MA 02146  
Gentiella, Romo, Chief, 67 Sunset St., New London, Conn. 06320  
Giberti, Vincent, Chief (R), RFD #4, Box 298C, Auburn, ME 04210  
Gibson, Ralph S., Chief, Fire Headquarters, York Beach, ME 03910  
Gifford, Stanley E., Chief (R), 1025 Drift Rd., Westport, MA 02790  
Giles, Earl G., Chief, Emerson Hill Rd., Contoocook, NH 03229  
Girard, Arthur A., Chief (R), 93 Brooklyn St., North Adams, MA 01247  
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