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The President's Message

The year 1957 was a year of transition from a boom economy to a period of readjustment. Business psychology has undergone a sharp change which, no doubt has been heavily influenced by the action of the stock market. Any indisposition of the President, the Sputnicks, or even minor news seems to create a major fluctuation in the market. This present jittery attitude and the gloomy forebodings for the future are not borne out in all major business activities.

Despite the slackening of business in general and heavy unemployment in many areas, the cost of living has not decreased. Food, clothing and shelter prices remain at a high level.

Many segments of the industrial world contemplate major expansion in the immediate future. In one field, the furnishing of electrical energy, production by the nations public utilities will likely be expanded threefold by 1970, according to a report issued in behalf of the Public Utilities Securities Committee.

Recent predictions for the peacetime use of atomic energy claim that in the next ten years, the free world should have from 25 to 30 million kilowatts of nuclear capacity with a total investment of ten billion dollars.

The increase in mass production techniques in the aluminum industries will make a major contribution to the field of construction. Richard S. Reynolds, Jr., President of Reynolds Metals Company recently said "The present oversupply of aluminum is not a liability but an asset. Until recently, we have lacked the metal to take advantage of the tremendous opportunities it offers us." The insignificant amount of aluminum used abroad in undeveloped countries, Reynolds stated, is another tremendous challenge to and opportunity for aluminum.

Another important factor that will affect the economy in the near future is the Federal Highway Program. The construction industry will prosper from this not only in the building of the highways themselves but by opening new areas for development.

The meeting of the requirements of the rapidly increased population in this country in the last decade will provide considerable impetus to the national economy.

The present efforts being made to correct some of the maladjustments incurred during the recent unprecedented prosperity should lay a sound basis for future stability in our economy.

John D. Betten

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MANCHESTER, N.
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Typical School Building Designed by Alfred T. Granger Associates.

New Hampshire Architect is published monthly, under the direction of the president and board of directors of the New Hampshire Chapter, American Institute of Architects, to promote the objectives and public relations of the chapter. Advertising rates furnished upon request.
Travel in Europe is one of those things you think of as a nice idea for other people who have lots of money, and even for yourself some rosy day in the remote future. But if you have not had a real vacation in years, and have a son stationed abroad in the Army, a 14 year old daughter who would learn more there than in school, and a very persistent wife, you will find yourself doing it sooner than you think, as I did.

Flying by Pan-American, we left Boston late in the afternoon of February 21 and arrived in Frankfort, Germany, early afternoon of the next day, with brief stops at Shannon (Ireland), London and Dusseldorf. From Frankfort we made a 3500 mile sweep by Volkswagen through southern Germany, into Austria, Italy, Monaco and the Riviera, France, Switzerland, back to Frankfort, then Cologne, Brussels, and Paris. The return flight was again only overnight, landing us back home on March 24, having spent 29 of the 31 nights away in Europe.

One does not become an expert traveling so quickly over such distances but you do have many interesting experiences, lots of fun, lots of good food, and if you are interested in architecture you learn a great deal about that and the sister arts of painting, sculpture and landscape architecture.

There were only three or four low points on this trip that was almost a continuous series of highlights. Rome was spoiled to some extent by extreme commercialism of the purveyors of hotel rooms, post cards and the like; in Paris our car was broken into one night and although we lost only some films and a carton of cigarettes, the films were irreplaceable, and American cigarettes cost $1.44 a pack over there! In Cologne my enjoyment of the great Cathedral was marred by anxiety over failure of my family to meet me there as agreed after a two day separation so that I could take a side trip. This situation resolved itself when, out of the 100 hotels in Cologne, we both selected the same one to go to for the night!

Germany is a wonderful and delightful country and so are the people. War damage is almost non-evident except in the industrial north, where occasional bombing ruins may still be seen. The southern cities of Mannheim, Stuttgart and Munich had large sections wiped out by bombs but these have been almost completely renewed. In Stuttgart it is said the people are very proud of their fine city, where the architects were given a free hand. This was evident in the three buildings I visited, Gedaechtniskirche (church), Liederhalle (cultural center) and a High School, where high design quality and excellent use of materials exemplify the very best of modern architecture.

In Munich I spent a morning with the City Building Department which is administered by a very cultured gentleman who is both an artist and engineer. His influence is seen in the fine streets, the absence of slums, the artistic neon signs of which there is a great profusion, the varied and colorful housing projects with many open spaces. They do not have need architects' registration laws Germany because the building departments require such detailed and technical plans to be submitted for a permit, that only architects are capable of preparing them. Thus all new buildings and alterations are designed by architects and the result is truly magnificent. The method of selecting the architect also helps explain the high quality of public buildings including schools—about five local or nearby architects are invited to compete, the winner gets the job and the others are compensated enough to cover most or all of their costs.

Munich, a city of 1,000,000, also has many historic features—after all, it is about to celebrate its 2,000th anniversary. There is a mile-long street lined with buildings all in Florentine style; many historic features—after all, it is about to celebrate its 2,000th anniversary.
The annual meeting of the New England Regional Council of the A.I.A., was held at the Boston Museum of Fine Arts, Boston, Saturday, March 1.

The business meeting included endorsement of regional directors and secretary-treasurer, and reports of regional committee chairmen and presidents of chapters.

New Hampshire Chapter delegates included John D. Betley, chapter president, Irchell Dirsa, Alexander J. Majeski, Richard Koehler and Stephen P. Tracy. Delegates from Maine, Vermont, Massachusetts, Connecticut and Rhode Island were also in attendance together with their wives and guests.

Items and reports brought before the council for action were:

1. New England Council endorsed Alonzo Harriman of Maine as regional director, replacing Austin Mather of Connecticut.

2. Reelected Dwight E. Smith and Wallace Dibble to the judiciary committee.

3. Reelected Prentice Bradley of Massachusetts as secretary-treasurer.

4. Council approved a resolution endorsing Walter Gropius of Massachusetts Chapter for recipient of the 1958 Gold Medal award.


Announcement was made that the 1958 Convention is to be held in Cleveland, Ohio, July 7-11. The theme of the convention will be “The Architect and a Stronger America.”
open plazas with monuments and statues; nearby the tremendous Nymphenbury palace; the Ratskeller and Hofbrauhaus, world famous eating places where the world's best beer is served; Pinakoteck museum containing masterpieces by Dürer, Cranach, Rubens, Tintoretto, Della Sarto, Botticelli, Raphael. Most thrilling to me was the little church of the Brothers Asam, perhaps the finest example of Baroque architecture, where imaginative form and color are carried to extremes.

Driving on south to Garmisch through rolling countryside which changed suddenly into snow-laden Alps, we found ourselves in a dream land of picturesque painted houses, intriguing little shops, and skiers' heaven. Garmisch is now an Army Recreation Center where everything is beautiful, relaxing, fun — and inexpensive. We reveled in good American breakfasts (the Germans, and for that matter all Europeans don't know how to have a proper breakfast!). We rode the cog-railroad train up the Zugspitz, Germany's highest mountain, on a perfect sunny day, enjoying the most spectacular scenery of such sheer beauty as to be impossible to describe. The children skied on the slopes of this wonderland. The architectural fare in this area of Bavaria included trips to nearby Ettal Monastery, another Baroque gem, and Linderhof Castle, a dream palace built about 1870 by Ludwig II of Bavaria in an inspired copy of the Louis XIV style at Versailles. Each room is literally filled with guilded wood carving, Gobelin tapestries, plaster statues, crystal and ivory chandeliers, huge mirrors framed with intricate Dresden china all in one piece, table tops of semi-precious stones, inlaid wood and marble floors, etc. The beauty and craftsmanship of these works of art made us forget how cold we were as there was no heat in the Palace and it was a very cold day.

Crossing the border into Austria, the landscape and character of the buildings and people changed suddenly. Everything was bleak, grim, gray and poor, in contrast to the neatness and simple beauty of the Bavarian countryside. Stopping overnight at Innsbruck, there was time only to window-shop in the quaint little arcaded shops, take pictures of the unusual decorative wrought iron signs, and prepare for our assault on the Brenner Pass into Italy.

(to be continued in the May issue)
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(See February and March issues for further details)
In general, it can be said that Formbloc wall construction compared to most other types of masonry construction has better insulation and greater strength, is more fire-proof, more durable, more flexible, and assures faster construction at a favorable cost.

Where Can Formbloc Construction Be Used To Best Advantage?

Formbloc wall construction can be used for foundation and retaining walls, exterior building walls, interior bearing and fire walls.

Cost can be lowered and time saved by eliminating form work for concrete walls and using Formbloc units in walls up to 12” thick. These units can be used in conjunction with concrete pier blocks on 8” modules, or with form work in special cases, and all filled with structural concrete. For house foundations and other building walls above frost line, where better thermal insulation is needed to assure better living conditions and lower heating cost, it is recommended that an insulating concrete filler be used. This insulation is likewise recommended for slab-on-grade buildings, such as schools, factories, homes, etc., where it can be used from top of footing to window sills in order to insulate the floor and the exterior wall above frost line and finish grade, where heating lines and heating units are usually installed. Formbloc walls can be erected quickly and easily for first story exterior walls, since no form work is required and the wall can be filled with insulating concrete to required height with a pump.

Formbloc walls and other Formbloc construction require no furring and can be painted or plastered direct on the inner surface of exterior walls. On the outer surface of exterior walls, the Formbloc wall can be left natural with joint grouted, painted, coated with a plaster paint, stucco, quick brick, Permastone, or covered with metal or other facing materials. If preferred, for exterior walls Formbloc can also be used as an insulating back-up with brick, stone, Beston and other veneer materials. Interior bearing and fire walls can be left natural or painted, or plastered in accordance with usual practice. In general, we recommend that Formbloc be laid up without mortar for foundation, back-up walls, and where otherwise covered. Exterior and interior walls of first and upper stories, left exposed, can be erected dry; but if a tied line is desired, it is recommended that they be laid with a thin horizontal mortar joint, but with no vertical mortar joint.

(Continued on Page 14)
GROUND BREAKING CEREMONIES

The Portsmouth Housing Authority broke ground for Project 4-1 at Gosling Meadows in the Port City on April 1. This project consists of 124 dwelling units in 31 buildings.

John D. Betley, president of New Hampshire Chapter, A.I.A., is the architect for this project, and was represented at the ground breaking ceremonies by John D. Sullivan. City, state and government officials were also in attendance.

General contractor for the housing project is Beacon Construction Company of Boston. Lawrence E. Mulloney is chairman of the Housing Authority and Edward J. Abbott is the executive director.

DURHAM BUSINESS LEADER ON EXTENDED TRIP

Ralph B. Craig of Craig Supply Co., Inc., Durham, recently returned from an extended trip to the midwest and south. Among Mr. Craig's stops were attendance at a national convention in Chicago and business calls at manufacturing plants which his company represents in this area.

NEW LOCATION, OFFICE FACILITIES FOR LITTLEFIELD

Willis E. Littlefield, A.I.A., announces the removal of his offices in Dover from 339 Central Avenue to 2 Pierce Street.

In making the announcement Mr. Littlefield stated that he recently purchased the property and has renovated it, and now has ample quarters on the ground floor.

MITCHELL & HICKS AT NEW QUARTERS

Having outgrown their location on South State Street in Concord, where they have been located since establishment of the business two years ago, Mitchell & Hicks Company, Inc., plumbing and heating contractors, have moved to larger quarters at 62 Hall Street.

A spokesman for the company stated that with their business constantly on the increase, the need for larger quarters became necessary.

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Site of Housing Project for 36 units, constructed in 1953, showing varied stages of Formbloc construction, from foundation walls to first floor walls.

Street view of project — during construction — showing Formbloc wall construction on first floor and conventional frame construction on second floor. 8" Formblocs were laid in mortar from footing to second floor plate, and poured with insulating concrete consisting of 1 part cement, 1 part sand and 4 parts Zonolite aggregate to provide a U factor of .145. Note wood door and window trim with Formbloc construction.

The insulated Formbloc Masonry as approved by the Public Housing Administration and the Fort Fairfield Housing Authority has proven to be warm in winter and cool in summer, free from condensation, moisture penetration, and air infiltration even in weather 30 degrees below zero and in other periods of severe weather condition of Northern Maine.

Architect and Engineers,
Arnold Perreton & Associates, Concord, N. H.
In addition to straight walls, Formblocs can be laid in curved walls and used for barrel vaulting, by cutting the Formblocs required with a concrete saw, at the job site. The Formblocs for barrel vaulting can be laid dry or in mortar on centering, and filled with structural or insulating concrete when in position. Floor and roof labs may be built with Formbloc wall sections laid up on the ground, properly reinforced, filled, and, after setting, hoisted into horizontal or inclined position for floor and roof construction.

In addition to the general building construction, Formbloc can be used to advantage for air conditioned buildings, to provide the best thermal insulation, prevent moisture-migration and air infiltration, which are all common faults in present construction of air conditioned buildings. In the present practice of constructing air conditioned buildings with inadequate precautions taken to protect the building fromusting, rotting, and other deteriorating effects of air conditioning, is creating a lot of future headaches for everyone concerned. Air conditioning, like other new techniques, requires a new type of building enclosure, such as Formbloc construction, to assure its proper and economic operation, and to assure a sound, safe and lasting structure.

Formbloc construction can likewise be used in new structures, such as atomic actor plants, military installations, etc., which must be proof against atomic radiation, by incorporating a radiation-proof material into both the Formbloc units and filler. It can also be used easily, quickly and economically for atomic shelters to protect human beings and their belongings in case of atomic attack. The Formbloc unit, in single or multiple wall thickness, can be laid by unskilled, volunteer Civil Defense workers, and the outer and inner walls filled with concrete from transit mix, and the space between the walls filled with concrete or earth as may be required. Similarly, vaulting for the of can be erected to make, in all, a bomb proof and radiation proof dual-purpose shelter that can also be used in the meantime for other civic purposes such as parking, storage sheds, hospitals, etc.
As may readily be seen, Formbloc construction is easily adapted to all structural forms in all type of buildings, and can be finished natural or used in conjunction with other materials now in general use.

Formbloc construction is laboratory and field tested. Formbloc units have been tested in laboratories to conform with the standards of the American Society of Testing Materials. Over one hundred structures have been built during the last ten years, in Massachusetts, Maine and New Hampshire. All those inspected periodically have proven to be structurally sound, excellent in thermal insulation, and satisfactory in all respects.

Formbloc wall construction has been approved by the National Board of Fire Underwriters, Federal Housing Authority, Public Housing Administration, Massachusetts Housing Authority, City of Boston, and in general has met the Building Code requirements of numerous cities and towns throughout New England.

In New Hampshire, Formbloc is manufactured and supplied by the Duracrete Block Company, Inc., of Manchester. Certified Formbloc erectors are available to build Formbloc structures according to architects’ and engineers’ plans and specifications, on a sub-contract or general contract basis.

As indicated in this article, Formbloc construction has so many points of superior merit that it will pay each and every architect, engineer, contractor, and all interested in building to investigate, specify and use Formbloc construction.
ARCHITECTS INVITED TO MEETING

The Illuminating Engineering Society (IES) of New England is holding a joint meeting with the Electrical Council New England (ECNE) at Wentworth-By-The-Sea, Portsmouth, New Hampshire at 8 p.m. on May 15. The IES will present their National Progress Report which is a compendium of light sources, lighting equipment and lighting systems announced during the previous year. This program always received enthusiastic acceptance among architects, designers, lighting engineers and electrical contractors. The last time a program of this magnitude was presented in Northern New England was in Portland in 1954.

Dinner reservations for 6:30 p.m., May 15th must be in hands of Paul Crosby of Cambridge Electric Light Co., Blackstone Street, Cambridge, Mass. by May 8th.

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DURACRETE
Heat Incorporated of Nashua, recently launched the acquisition of a new product line — York-Heat and Shipley-Air Conditioning of York, Pennsylvania — with four successful dealer meetings on March 3, 4, 5 and 6. The dinner meetings, consecutively held at Nashua, St. Johnsbury, Vt., Lewiston, Maine and Portland, Maine, were attended by more than one-hundred and fifty dealers, their salesmen, and service men.

Distributors of heating and air conditioning equipment throughout New Hampshire, Maine, Eastern Vermont, and North-eastern Massachusetts, Heat Incorporated until this year had been exclusively General Electric. However, when the General Electric Company decided to discontinue the manufacture of oil boilers, it was necessary to find a comparable heating unit and the search ended with the York-Shipley line.

Slightly over three years ago Heat Incorporated started operations with only twelve direct-served General Electric retailers, and this dealer-organization has expanded to almost one-hundred in this short period of time. The reason for this rapid growth is their method of operation — issuance of protected territory, close cooperation with dealers through engineering, service and administrative assistance whenever possible. The sales engineers of Heat Incorporated, Geo Mathews of Claremont, and Fred Phipps of Portland, Maine, are well qualified to give this help on a practical basis. The men have grown up with the industry and know all phases of dealer operation.

The presentation of a new product line by a distributor to its dealer organization is most important, and the success of the four meetings mentioned above was doubly assured by the attendance at assistance of York-Shipley representatives: Al Crawford, Manager, Resident Division; Ken Ralphs, Sales Manager; H. Deardorff, Service Manager; Rob Schnetke, Sales Representative — and George Hobby representing General Controls Company — as well as the following Heat Incorporated officials: Walter Illig, President; Mortier D. Harris, Treasurer; Harry H. Falkingham, General Manager; and Sales Engineers, Geo Mathews and Fred Phipps.

With General Electric residential heating and air conditioning equipment, a G. E. commercial and industrial air conditioning, supplemented by the York-Shipley heating and air conditioning line, Heat Incorporated is anticipating a great year.
In another field of planning the six New England states and representatives of even federal agencies have joined as an advisory group in planning for the development of our regional resources. Petus came from a report known as NENYIAC (New England-New York Intergency Committee), the product of our and a half years study and six millions of dollars. With these 46 volumes as a background of fact, a reference to what we have, work of the Northern Resources Committee begins.

Taking a look at what we have in New Hampshire, here follows a few excerpts and recommendations from this NENYAC report.

Water Supply
We have a supply of water sufficient for the next fifty years. However, although few there are very real problem reas such as Portsmouth and surrounding towns. Here the shortage has been aggravated by the Air Base at Newington covering a part of the ground water supply. Instead of individual action, a metropolitan water district is recommended which would supply Rochester, Somersworth, Rollinsford, Dover, Durham, and Newmarket as well as the Portsmouth area.

Where nearly half our rural water systems are found inadequate in some repect, there is need for ground water studies to guide in the development of future systems. (It has been noted by other authority that there is no "permanent lowering of the water table" as is commonly mentioned. This underground reservoir rises or falls with demand just as would any service basin.)

In parts of New Hampshire there is conflict between those who would have their reservoirs reserved for water supply and others who would have such water open to boating, fishing, and swimming. Swimming is permitted in only two reservoirs studied while boating and fishing in out a third. Again, additional study is recommended. (This writer, who lives on a lake providing water for drinking as well as all recreation with a history of no ill effects, concurs.)

Pollution Control
Most of New Hampshire's 16,000 miles of streams contain very clean water. Of major streams, only 11 miles are classified as grossly polluted with another 95 miles polluted almost as badly. An additional 458 miles of major streams are somewhat polluted seasonally. These streams could be cleaned by treatment, but there is the question whether it would be worth the cost.

Flood Control
Dams already built are preventing about 50 per cent of the average annual flood damage which would occur in New Hampshire without them. This work continues. The NENYIAC report points out that land treatment practices such as headwater damage control and control of erosion on cropland have little effect on controlling major floods.

Power Development
Although there are more than 230 power projects in New Hampshire, power development in general is not economically feasible without there being a substantial upward change in the value of fuel and power.

Fish and Wildlife
As in other states, conflicts between land owners and fishermen and hunters are growing. More owners are posting their land. Sportsmen-landowner relations might be improved by an intensive educational program. Second, the state might obtain leases for public access to important streams. Another recommendation is that the state acquire marshes as waterfowl refuges and public shooting areas, especially in the vicinity of the Great Bay and in the coastal area.

(Continued on Page 42)
FISHER ELEMENTARY SCHOOL - ARLINGTON, VERMONT

CONSTRUCTION:

EXTERIOR WALLS: Concrete footings and foundations; from top of foundation walls to under side of windows—concrete block; from underside of window sill to roof—wood stud boarding and vertical redwood sheathing. INTERIOR PARTITIONS: Concrete block, painted. INSULATION: All outside wood walls are insulated with 2" blanket insulation. ROOF: Tar and Gravel with galvanized iron drip edge and galvanized iron flashings. ROOF CONSTRUCTION: 4 x 14" Douglas Fir with Insulite panels exposed in Classrooms. CEILINGS: Corridor ceilings, furred and covered with 12" x 12" acoustical tile units. FLOORS: Reinforced concrete slab on grade with asphalt tile flooring. DOOR BUCKS AND TRIM: Metal. WINDOWS: Structural wood sash. HEATING: Forced hot water, room temperature controlled. VENTILATION: By electrically-controlled vent ducts. PLUMBING: Standard School sizes. ELECTRIC: Fluorescent and flush lighting; Romex wiring.

COSTS:

<table>
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<th>ITEM</th>
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TOTAL VOLUME: 191,504 cu. ft.—FLOOR AREA: 11,969 sq. ft.—CONSTRUCTION CONTRACT AWARDED: December, 1956 — FLOOR HEIGHTS: 11'-0" to 12'-0" clear to underside of exposed Insulite plank.


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C. WADE
SO. SHAFTSBURY, VERMONT
Phone Bennington 6977 - 9178

Plumbing Contractors
Heating Contractors
Ventilating Contractors

at
FISHER ELEMENTARY SCHOOL
Arlington, Vermont

RAYMOND E. PERRY
East Olive Street
MORRISVILLE, VERMONT
Tucker 8-2289

ELECTRICAL CONTRACTOR
at
Morrisville School
and
ELECTRICAL CONTRACTOR
for
Union Savings Bank and Trust Co.
Union Carbide and Carbon Corp.
Morrisville, Vermont

Outstanding Commercial and
Residential Electrical Installations
CONSTRUCTION:

EXTERIOR WALLS: Reinforced concrete and concrete block. INTERIOR WALLS: Concrete block painted, Vitritile dado in Corridor with plaster above. FRAMING: Basement Floor—concrete slab on grade; Ground Floor—Concrete joist framing; First Floor—concrete joist framing; Second Floor—structural steel with steel joists and longspans, concrete slab on steeltex; Roof—structural steel with steel joists and longspans, wood deck with insulation and 29 yr. bonded tar and gravel roof. CEILINGS: Acoustical tile in classroom portion, concrete joists painted in Shops and Locker Rooms. FLOORS: Asphalt tile on concrete and ceramic tile. WINDOWS: Architectural Projected steel sash. HEATING: Vacuum Type (steam). PLUMBING: Standard school size. ELECTRICAL FIXTURES: Incandescent and Fluorescent.

COSTS:

<table>
<thead>
<tr>
<th>Total Cost</th>
<th>% of Total Cost</th>
<th>Cost Per Sq. Ft.</th>
<th>Cost Per Cu. Ft.</th>
</tr>
</thead>
<tbody>
<tr>
<td>$327,457.00</td>
<td>71</td>
<td>$8.50</td>
<td>$.57</td>
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<tr>
<td>106,385.00</td>
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<td>2.81</td>
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<tr>
<td>32,560.00</td>
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<tr>
<td>$466,402.00</td>
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<td>$12.19</td>
<td>$.81</td>
</tr>
</tbody>
</table>

TOTAL VOLUME: 575,805 cu. ft.—FLOOR AREA: 36,620 sq. ft.—DATE OF BIDS: August, 1955—FLOOR HEIGHTS: Basement—10'-6"; Ground—13'-4"; First—13'-4"; Second—12'-0".

SUPT. OF SCHOOLS: Dr. N. Richard Butler. 
GENERAL CONTRACTOR: The MacMillin Co., Inc., Keene, N. H.

ALFRED T. GRANGER ASSOCIATES
Architects and Engineers
Hanover, New Hampshire
CHESTER, VERMONT ELEMENTARY SCHOOL AND ADDITION

CONSTRUCTION:

EXTERIOR WALLS: Concrete block with rick facing. INTERIOR WALLS: Concrete block painted, Vitritle dado on Corridor wall.

CEILINGS: Acoustical units, metal lath & plaster in Boiler Room. FLOOR: Reinforced concrete slab on grade with asphalt tile flooring. Ceramic tile flooring in toilets. ROOF: 20 yr. bonded tar and gravel, 1" insulation, roof boarding on 2 x 4" wood rafters, for classroom portion. 20 yr. bonded tar and gravel, 3" plank, 3" nailer supported by steel longspans over Multi-Purpose Room.


COSTS:

<table>
<thead>
<tr>
<th>ITEM</th>
<th>Cost</th>
<th>% of Total Cost</th>
<th>Cost Per Sq. Ft.</th>
<th>Cost Per Cu. Ft.</th>
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<tbody>
<tr>
<td>STRUCTURE</td>
<td>$161,527.00</td>
<td>78</td>
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<td>LUMB., HEAT., VENT</td>
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<td>ELECTRICAL</td>
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<tr>
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<td>$10.39</td>
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</tr>
</tbody>
</table>

TOTAL VOLUME: 364,184 cu. ft.—FLOOR AREA: 20,330 sq. ft.—DATE OF BIDS: June, 1955—FLOOR HEIGHTS: 10'-8"—11'-8"—Classroom portion; 19'-6" to bottom of steel, Multi-Purpose Room.

SUPT. OF SCHOOLS: Charles Nason.
SCHOOL BOARD—Stanley Derand, Chairman, Ronald Metzger, Ellsworth Benson, Alice Clark, Donald Monier.

GENERAL CONTRACTOR: The MacMillin Co., Inc., Keene, N. H.

-ROOM ADDITION—Date of Contract, May 23, 1957.

COSTS:

<table>
<thead>
<tr>
<th>ITEM</th>
<th>Cost</th>
<th>% of Total Cost</th>
<th>Cost Per Sq. Ft.</th>
<th>Cost Per Cu. Ft.</th>
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<tbody>
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<td>TOTAL COST OF 2 ROOMS</td>
<td>$33,749.00</td>
<td>100.0</td>
<td>$12.11</td>
<td>$0.80</td>
</tr>
</tbody>
</table>

TOTAL VOLUME: 42,396 Cu. Ft.—FLOOR AREA: 2,785 Sq. Ft.

ALFRED T. GRANGER ASSOCIATES
chitects and Engineers  —  Hanover, New Hampshire
Randall Company, Inc.
RUTLAND, VT.
272 So. Main St. Tel. PRospect 3-2791

Plumbing - Heating
and Ventilating

for

ROCHESTER ELEMENTARY SCHOOL
Rochester, Vermont

CHESTER ELEMENTARY SCHOOL
Chester, Vermont

BARRET FLOORING COMPANY
Quality Floors Since 1932
P. O. BOX 246
BEDFORD
MASSACHUSETTS

CREstview 4-6398
40 MECHANIC ST. KEENE
NEW HAMPSHIRE

BARRET FLOORING COMPANY
Quality Floors Since 1932
P. O. BOX 246
BEDFORD
MASSACHUSETTS

CREstview 4-6398
40 MECHANIC ST. KEENE
NEW HAMPSHIRE

BARRET FLOORING COMPANY
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BEDFORD
MASSACHUSETTS

CREstview 4-6398
40 MECHANIC ST. KEENE
NEW HAMPSHIRE

FRANCIS P. CONNOR
& SON, INC.

Plastering Contractor

for

NORTHFIELD HIGH SCHOOL
Northfield, Vermont

BELLOWS FALLS HIGH SCHOOL
Bellows Falls, Vermont

12 Euclid Ave. Dial TU 3-810
NASHUA, N. H.
AL MELANSON
Company, Inc.

Roofing Contractors
for

CHESTER, VERMONT
ELEMENTARY SCHOOL and ADDITION
PLUS
GUILFORD, VT.
CLAREMONT, N. H.
HOPKINTON, N. H.
LYME, N. H.
GOSHEN, N. H.

SHEET METAL - WATER PROOFING
CONTRACTORS
353 WEST ST. KEENE, N. H.
22 E. Broadway, Gardner, Mass.

Barker Steel Company
ENGINEERS and FABRICATORS
CONCRETE REINFORCING BARS
BARCO
REMOVABLE STEEL PANS
FOR CONCRETE JOIST CONSTRUCTION

Office and Warehouse
42 School Street
WATERTOWN 72, MASS.
TEL. WATERTOWN 4-4010
Harold L. Barker, General Manager

The MacMILLIN COMPANY, Inc.
Builders

KEENE, N. H.
ELmwood 2-3070
GREENSBORO, VERMONT ELEMENTARY SCHOOL

CONSTRUCTION:

EXTERIOR WALLS: Concrete block to window sill height, wood studs covered with boarding and siding above. INTERIOR WALLS: Wood stud covered with horizontal pine sheathing, Masonite and Upson Board. Concrete block around Boiler Room. CEILINGS: Acoustical units, asbestos board in Boiler Room. ROOF: 20 yr. bonded tar and gravel, 1" roof insulation, roof boarding on 2 x 14" wood rafters. FLOORS: Reinforced concrete slab on grade with asphalt tile flooring. WINDOWS: Structural wood sash. HEATING: Low pressure steam heating system. PLUMBING: Standard Grade School size. ELECTRICAL FIXTURES: Incandescent.

COSTS:

<table>
<thead>
<tr>
<th></th>
<th>Cost</th>
<th>% of Total Cost</th>
<th>Cost Per Sq. Ft</th>
<th>Cost Per Cu. Ft</th>
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<tr>
<td>STRUCTURE</td>
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<tr>
<td>PLUMB., HEAT., VENT</td>
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<tr>
<td>ELECTRICAL</td>
<td>750.00</td>
<td>1.4</td>
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<td>.01</td>
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TOTAL COST OF BUILDING.... $52,840.00       100.0       $9.27       $.58

TOTAL VOLUME: 91,160 cu. ft.—FLOOR AREA: 5,698 sq. ft.—DATE OF BIDS: August, 1955—FLOOR HEIGHTS: 10'-0" to 11'-0".

SUPT. OF SCHOOLS: Joseph Mallard.
SCHOOL BOARD: Warner L. Davis, Harrison Wilson, Laura Drown.

ALFRED T. GRANGER ASSOCIATES
Architects and Engineers
Hanover, New Hampshire
7 CLASSROOMS and HOME ECONOMICS ADDITION
MORRISVILLE, VERMONT

CONSTRUCTION:

EXTERIOR WALLS: Concrete Footings and foundations. Walls above grade, sand-struck rick backed up with concrete block. INTERIOR WALLS: Concrete block painted. CEILINGS: 12" x 12" acoustical tile units. DOORS: Reinforced concrete slab on grade with asphalt tile. ROOF: Tar and Gravel, copper edge. ROOF FRAMING: Douglas Fir trusses, boarding and insulation. Longspan joists over Home Economics portion. WINDOWS: Structural wood sash. HEATING: Two-pipe return (steam). VENTILATION: To meet State requirements: air conditioning units in Classrooms and Home Economics; ventilation of these rooms electrically controlled. PLUMBING: Standard. ELECTRIC: Incandescent fixtures. WIRING: Romex.

COSTS:

<table>
<thead>
<tr>
<th>ITEM</th>
<th>Cost</th>
<th>% of Total Cost</th>
<th>Cost Per Sq. Ft.</th>
<th>Cost Per Cu. Ft.</th>
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<tbody>
<tr>
<td>STRUCTURE</td>
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<tr>
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<td>$13.26</td>
<td>$0.820</td>
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</table>

TOTAL VOLUME: 206,328 cu. ft.—FLOOR AREA: 12,906 sq. ft.—BID OPENING DATE: June, 1957—FLOOR HEIGHTS: Classroom Portion: 10'-6". Home Economics Room 10'-6" to 12'-0".

ALFRED T. GRANGER ASSOCIATES
Architects and Engineers
Hanover, New Hampshire
CONSTRUCTION:

EXTERIOR WALLS: Concrete block with brick facing. INTERIOR WALLS: Concrete block painted, glazed tile dado, corridor walls which are recessed for built-in steel lockers. CEILINGS: Acoustical units. ROOF: Douglas fir roof rafters, boarding with insulation and 20 yr. bonded tar and gravel roofing for school portion. Steel trusses, planking, insulation, tar and gravel for Gymnasium portion. FLOORS: Reinforced concrete slab on grade with asphalt tile flooring. Ceramic tile in toilets and vinyl tile in Gymnasium. WINDOWS: Structural wood units in classroom portion and steel sash in Gymnasium. HEATING: Vapor steam, Vulcan radiation. PLUMBING: Standard School size. ELECTRICAL FIXTURES: Fluorescent & Incandescent.

COSTS:

<table>
<thead>
<tr>
<th></th>
<th>Cost</th>
<th>% of Total Cost</th>
<th>Cost Per Sq. Ft</th>
<th>Cost Per Cu. Ft</th>
</tr>
</thead>
<tbody>
<tr>
<td>STRUCTURE</td>
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<td>.03</td>
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<td><strong>TOTAL COST OF BUILDING</strong></td>
<td><strong>$427,977.00</strong></td>
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<td><strong>$9.95</strong></td>
<td><strong>$.51</strong></td>
</tr>
</tbody>
</table>

TOTAL VOLUME: 827,000 cu. ft. — FLOOR AREA: 43,000 sq. ft. — DATE OF BIDS: September, 1954 — FLOOR HEIGHTS: 10'-10" to 11'-8" in classroom portion. 22'-8 1/2" to bottom of trusses in Gymnasium.

SUPT. OF SCHOOLS: Walter Gallagher.
SCHOOL BOARD: Eugene Nadon, Chairman, Kathleen McGlaflin, Howard Hanson, Robert Hayden, Clarence Tracy.

ALFRED T. GRANGER ASSOCIATES
Architects and Engineers
Hanover, New Hampshire
Bloom, South & Gurney
Incorporated
9 Melcher Street
BOSTON, MASS.
Liberty 2-5300

at
NORTHFIELD HIGH SCHOOL
Asphalt, Plastic, Ceramic Tile

at
VERGENNES HIGH SCHOOL
Ceramic Tile and Quarry Tile

CERAMIC TILE - QUARRY TILE
RESILIENT TILE FLOORS

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Phone Liberty 2-5300 for a qualified representative to assist your planning.

H. W. ASHLINE
EAST RANDOLPH, VERMONT
Phone Randolph 8-9024

ELECTRICAL CONTRACTOR
at
NORTHFIELD HIGH SCHOOL
STOWE ELEMENTARY SCHOOL
(In This Issue)

Also
Montpelier High School Montpelier
St. Monica's High School Barre
Lyman Hunt Jr. High School Burlington
St. Johnsbury Academy St. Johnsbury
Randolph-Braintree High School Randolph
Summer & Lincoln Street School St. Johnsbury

WRIGHT & MORRISSEY, INC.
263 SOUTH CHAMPLAIN ST.
BURLINGTON, VERMONT
University 2-2210

GENERAL CONTRACTOR
NORTHFIELD HIGH SCHOOL
NORTHFIELD, VERMONT

Contractor and Builder of Many Other Outstanding Buildings Throughout The State of Vermont
CONSTRUCTION:

EXTERIOR WALLS: Concrete footings and foundations, concrete block and stud walls above foundations, stud walls covered with California Redwood. INTERIOR WALLS: Concrete block, painted and stud walls at gable ends of School Portion sheathed with California Redwood.

ROOF CONSTRUCTION: School Portion exposed 4 x 14 Douglas Fir with Insulite panels; Multi-Purpose Room, Tectum panels over long span joists. CEILINGS: Corridor ceilings, furred and covered with 12" x 12" acoustical tile units.

FLOORS: Reinforced concrete slab on grade with asphalt tile flooring. ROOF: Tar and Gravel. WINDOWS: Structural wood sash; steel sash in Multi-Purpose Room.

HEATING: Forced hot water, room temperature controlled. VENTILATION: To meet State requirements; air conditioning units in Classrooms; Multi-Purpose Room, Kitchen and Toilets, ventilated and electrically controlled.

ELECTRIC: Incandescent and fluorescent and flush lighting. WIRING: Romex. PLUMBING: Standard School sizes.

COSTS:

<table>
<thead>
<tr>
<th>ITEM</th>
<th>Cost</th>
<th>% of Total Cost</th>
<th>Cost Per Sq. Ft</th>
<th>Cost Per Cu Ft</th>
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<tbody>
<tr>
<td>STRUCTURE</td>
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</tr>
</tbody>
</table>

TOTAL VOLUME: 228,170 cu. ft.—FLOOR AREA: 13,342 sq. ft.—BID OPENING DATE: June, 1957—FLOOR HEIGHTS: 10'-0" to 10'-6" in Classroom Portion, 16'-0" to bottom of trusses in Multi-Purpose Room.

General Contractor: John N. Ojala, Mt. Holly, Vermont.

ALFRED T. GRANGER ASSOCIATES
Architects and Engineers
Hanover, New Hampshire
ROCHESTER, VERMONT
ELEMENTARY SCHOOL & GYMNASIUM

CONSTRUCTION:

EXTERIOR WALLS: Concrete block with brick facing. INTERIOR WALLS: Concrete block painted. CEILINGS: Acoustical units—Classroom portion, asbestos board—Boiler Room. ROOF: 20 yr. bonded tar and gravel roof, 1” insulation, roof boarding on 2 x 14” wood rafters—classroom portion. 20 yr. bonded tar and gravel, 3” planking, 3” nailer supported by steel longspan trusses—Gymnasium portion. FLOORS: Reinforced concrete slab on grade with asphalt tile flooring. WINDOWS: Structural wood sash—classroom portion. Steel sash—Gymnasium portion. HEATING: Two pipe vented return. PLUMBING: Standard Grade School size. ELECTRICAL FIXTURES: Fluorescent & Incandescent.

COSTS:

\[
\begin{array}{|c|c|c|c|c|}
\hline
\text{Category} & \text{Cost} & \% \text{ of Total Cost} & \text{Cost Per Sq. Ft.} & \text{Cost Per Cu. Ft.} \\
\hline
\text{Structure} & $119,831.00 & 77.0 & $8.04 & \$0.39 \\
\text{Plumb., Heat., Vent.} & 30,562.00 & 19.9 & 1.97 & \$0.10 \\
\text{Electrical} & 4,755.00 & 3.1 & 0.30 & \$0.02 \\
\hline
\text{Total Cost of Building} & $155,148.00 & 100.0 & $10.31 & \$0.51 \\
\hline
\end{array}
\]

TOTAL VOLUME: 301,372 cu. ft.—FLOOR AREA: 15,044 sq. ft.—DATE OF BIDS: August, 1955—FLOOR HEIGHTS: 10' 9"—11' 8"—Classroom portion. 21' 1"—Gymnasium portion.

SUPT. OF SCHOOLS: Wallace Martin.
SCHOOL BOARD: Donald E. Harvey, Ethel Kingsbury, Leslie Pierce, Jr.
GENERAL CONTRACTOR: Hall Bros., Inc., Randolph, Vermont.

ALFRED T. GRANGER ASSOCIATES
Architects and Engineers

Hanover, New Hampshire
JOHN N. OJALA
MT. HOLLY, VERMONT
Tel. ALpine 9-2379
Mailing Address:
R. F. D. 1, Cuttingsville, Vermont

General Contractor
for
ELEMENTARY SCHOOL
Putney, Vermont

Hugh Ramsden & Son
Shelburne Rd. UNIVERSITY 2-3771
SHELBURNE, VERMONT
USING PRATT & LAMBERT PAINTS were
Painting Contractors at
ROCHESTER STOCKBRIDGE
STOWE MORRISVILLE
SCHOOLS
FEATURED IN THIS ISSUE

Builders Hardware
Metal Doors & Frames
Toilet Room Accessories

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BURLINGTON, VT.
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and RESIDENTIAL
BUILDING MATERIALS

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Construction Corp.
P. O. Box 747 Tel. TUrner 5-254
SPRINGFIELD, VT.

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for
ELEMENTARY SCHOOL
at
WINHALL, VT.
Lathing and Plastering
— at —
Vergennes High School
VERGENNES, VERMONT

— by —
P. H. McGranahan Company, Inc.
555 Valley St. Manchester, N. H.
Dial 2-9373

LATHING
by
ECONOMY SYSTEM OF LATHING
Manchester, N. H.

General Contractor
at
ROCHESTER ELEMENTARY SCHOOL
Rochester, Vermont

Was
HALL BROTHERS Co.
12 No. Main Street
RANDOLPH, VERMONT
Phone 8-5644

Reliable, Conscientious, About
Our Building Construction

ROOFING AT —
WINHALL ELEMENTARY SCHOOL
Winhall, Vermont

PUTNEY ELEMENTARY SCHOOL
Putney, Vermont

Brattleboro Roofing and
Sheet Metal Co., Inc.
40 Years Experience
154 Elliot St., Brattleboro, Vt.

BARRETT ROOFING IS
OUR SPECIALTY

At
Vergennes High School
VERGENNES, VERMONT

Tile Floors, Linoleum and
Rubber Base

Installed By
FOYE'S LINOLEUM SHOP, INC.
ULster 4-5601
WESTBROOK, MAINE
CONSTRUCTION:

EXTERIOR WALLS: Concrete block to window sill height, wood studs covered with boarding and siding above. INTERIOR WALLS: Wood stud covered with horizontal sheathing, Upson Board & Masonite. Concrete block around Boiler Room. CEILINGS: Acoustical units. FLOORS: Reinforced concrete slab on grade with asphalt tile flooring. ROOF: 20 yr. bonded tar and gravel roofing, 1" Celotex insulation, roof boarding on 2 x 14" Douglas fir roof rafters. WINDOWS: Structural wood sash. HEATING: One pipe forced hot water system. PLUMBING: Standard School sizes. ELECTRICAL FIXTURES: Incandescent.

COSTS:

<table>
<thead>
<tr>
<th></th>
<th>Cost</th>
<th>% of Total Cost</th>
<th>Cost Per Sq. Ft.</th>
<th>Cost Per Cu. Ft.</th>
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<tr>
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<tr>
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<td><strong>$9.12</strong></td>
<td><strong>$.55</strong></td>
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</table>

TOTAL VOLUME: 79,500 cu. ft.—FLOOR AREA: 4,804 sq. ft.—DATE OF BIDS: June, 1955—FLOOR HEIGHTS: 10'-0"—11'-0".

SUPT. OF SCHOOLS: Wallace Martin.
SCHOOL BOARD: Theodore Green, Chairman, Ray Simpson.

ALFRED T. GRANGER ASSOCIATES
Architects and Engineers
Hanover, New Hampshire
CONSTRUCTION:


COSTS:

<table>
<thead>
<tr>
<th></th>
<th>Cost</th>
<th>% of Total Cost</th>
<th>Cost Per Sq. Ft.</th>
<th>Cost Per Cu. Ft.</th>
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<tr>
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<td>.01</td>
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<td><strong>TOTAL COST OF BUILDING</strong></td>
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<td><strong>100.0</strong></td>
<td><strong>$8.90</strong></td>
<td><strong>$.43</strong></td>
</tr>
</tbody>
</table>

TOTAL VOLUME: 458,180 cu. ft.—FLOOR AREA: 22,104 sq. ft.—DATE OF BIDS: August, 1953—FLOOR HEIGHTS: 10'-0" to 11'-2" Classroom portion. 22'-8"—Gymnasium portion.


ALFRED T. GRANGER ASSOCIATES
Architects and Engineers
Hanover, New Hampshire
UNION HIGH SCHOOL - VERGENNES, VERMONT

CONSTRUCTION MATERIALS

FOOTINGS AND FOUNDATIONS: Concrete.
OUTSIDE WALLS: Sandstruck brick and concrete block. Portions of outside walls will have slate and stone.
SPANDRELS BETWEEN FLOORS: Second-story portion to be colored structural panels.
WINDOWS: Wood structural, sash tipping in and out.
FOOR CONSTRUCTION: Main portion of building—reinforced concrete slab on earth.
2-story building and portion under Gymnasium—structural steel, open truss joists, Steeltex and concrete.
ROOF CONSTRUCTION: Open truss joists, longspan joists, gypsum plank, insulation and tar and gravel, 20 year bonded.
FLASHINGS: 16 oz. copper.
INTERIOR PARTITIONS: Concrete block painted.
CORRIDOR PARTITIONS: Vitritile at height of built-in lockers.
FLOORING: Plastic tile.
SHOWERS AND TOILET FLOORS: Ceramic tile.
BASKETBALL COURT FLOOR: Maple flooring—screeds and ventilated base.
AGRICULTURAL ROOM FLOORS: Cement.
CLASSROOM FLOORS IN BASEMENT: Asphalt tile.
STAGE FLOOR: Hardwood 5' from footlight trough and fir Remainder.
DOOR BUCKS: Metal trim and door buck combinations.
CEILINGS: Acoustical tile in all rooms but Kitchen which will be plastered; ceiling of Industrial Arts to be isolated and acoustically treated.
DOORS: Wood slab.

GLAZING: Exterior windows—3/16" sheet glass; obscure glass for toilets and locker rooms; double-strength glass for interior doors.
HEATING: Vapor steam with room temperature controlled and portions zoned.
VENTILATION: To meet State requirements.
AIR CONDITIONING: Units in certain rooms; classrooms, gymnasium, auditorium, cafeteria, toilets ventilated and electrically controlled.
ELECTRIC: Incandescent and fluorescent and flush lighting.

COSTS:

<table>
<thead>
<tr>
<th>ITEM</th>
<th>Cost</th>
<th>% of Total Cost</th>
<th>Cost Per Sq. Ft.</th>
<th>Cost Per Cu. Ft.</th>
</tr>
</thead>
<tbody>
<tr>
<td>STRUCTURE</td>
<td>$692,546.00</td>
<td>69.1</td>
<td>$8.499</td>
<td>$0.49</td>
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<td>PLUMB., HEAT., VENT.</td>
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<td>ELECTRICAL</td>
<td>91,750.00</td>
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<td>TOTAL COST OF BUILDING</td>
<td>$1,003,296.00</td>
<td>100.0</td>
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<td>$0.71</td>
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<tr>
<td>Grading, Drives, Walks and Parking Area</td>
<td>55,956.00</td>
<td>5.5</td>
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</tbody>
</table>

Total Cost of Building and Grounds.. $1,059,252.00

TOTAL VOLUME: 1,425,638 cu. ft.—FLOOR AREA: 81,114 sq. ft.—DATE OF BIDS: October 25, 1957—FLOOR HEIGHTS: 11'-0" floor to floor. 23'-0" to bottom of trusses in Gymnasium.

SUPT. OF SCHOOLS: Lloyd W. Moulton.
DIRECTORS, UNION HIGH SCHOOL DISTRICT #5, VERGENNES, VERMONT: Chairman, Clifford M. Harris; Vice-Chairman, Mrs. A. G. Gatow; Secretary, Mrs. William Burpee; Mrs. Robert Beach, Allen Tucker, Mrs. A. P. Clark, Feno Truax.
GENERAL CONTRACTOR: Swanburg Construction Corp., Manchester, N. H.

ALFRED T. GRANGER ASSOCIATES
Architects and Engineers
Hanover, New Hampshire
UNION HIGH SCHOOL  Vergennes, Vermont

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Tel. NA 3-9542
9 Laydon St., Manchester, N. H.
ELEMENTARY SCHOOL - WINHALL, VERMONT

CONSTRUCTION:

EXTERIOR WALLS: Concrete footings and foundations; from top of foundation walls to underside of windows—concrete block; from underside of window sill to roof—wood stud boarding and vertical redwood sheathing. INTERIOR PARTITIONS: Concrete block, painted. INSULATION: All outside wood walls are insulated with 2" blanket insulation. ROOF: Tar and Gravel with galvanized iron drip edge and galvanized iron flashings. ROOF CONSTRUCTION 4 x 14" Douglas Fir with Insulite panels exposed in Classrooms. CEILINGS: Corridor ceilings, furred and covered with 12" x 12" acoustical tile units. FLOORS: Reinforced concrete slab on grade with asphalt tile flooring. DOOR BUCKS AND TRIM: Metal. WINDOWS: Structural wood sash. HEATING: Forced hot water, room temperature controlled. VENTILATING: Air conditioning units in Classrooms meeting State Requirements. Ventilating of Classrooms, etc., by electrically-controlled vent ducts. PLUMBING: Standard School sizes. ELECTRIC: Fluorescent and flush lighting; Romex wiring.

COSTS:

<table>
<thead>
<tr>
<th>ITEM</th>
<th>Cost</th>
<th>% of Total Cost</th>
<th>Cost Per Sq. Ft.</th>
<th>Cost Per Cu. Ft.</th>
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<td>.05</td>
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<tr>
<td><strong>TOTAL COST OF BUILDING</strong></td>
<td><strong>$51,515.00</strong></td>
<td><strong>100.0</strong></td>
<td><strong>$12.26</strong></td>
<td><strong>$0.77</strong></td>
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</tbody>
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TOTAL VOLUME: 71,680 cu. ft.—FLOOR AREA: 4,200 sq. ft.—BID OPENING DATE: September 4, 1957—FLOOR HEIGHTS: 11'-0" to 12-0" clear to underside of exposed Insulite plank.

General Contractors: Davis-Schwartz Construction Corp., Springfield, Vermont.

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John R. Holbrook Associates Keene
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Edward Benton Miles, Exeter
Arnold Perreton and Associates, Concord
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Leo P. Provost, Manchester
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SECTION OF CHAPTER A.I.A.
COMMITTEES FOR 1957 - 1958

Joseph F. Lampron, Secretary of New Hampshire Chapter, A.I.A., announces the appointment of the following Chapter Committees for 1957-1958:

CHAPTER ACTIVITIES
Chapter Affairs, Membership, Centennial Observance, Education, Office Practice, Awards and Scholarship:

PUBLIC RELATIONS
Public Relations, Government Relations, H. Architect, Home Building and Construction Industries, Collaboration with Design Professions:
Richard Koehler, Chairman, Alexander Majeski, Shepard Vogelgesang, Alexander R. James, Carl E. Peterson.

COMMUNITY DEVELOPMENT
Community Development, Preservation Historic Buildings, Research, School Buildings, Hospitals and Health:

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The state is commended for its access roads to remote hunting areas which it has opened and for agreements with large landowners under which a state biologist supervises cutting to preserve critical winter deer yards.

There is a better chance of salmon restoration on the small streams than on the larger ones. Here certain dams could be eliminated and others by-passed with fish ladders. Among those suggested are the Lamprey and Exeter Rivers in the Piscataqua Basin. However, hand in hand with this is pollution control where in the Piscataqua Basin clams have almost disappeared because of pollution.

While certain flood control dams, such as the Hopkinton-Everett now in the planning stage, could increase the wildlife population under proper state supervision, other dams such as contemplated for the Androscoggin River would destroy wildlife values. It becomes evident that questions bearing on flood control, wildlife preservation, recreation, and many other benefits must be considered together in the evaluation of any project.

Recreational Resources

New Hampshire’s resources are many and varied but largely under developed. (A related value is our scenery fully developed, but blighted by the roadside sign. As the “scenic” state we owe some control over this to the invited tourist if not to ourselves.)

The NENYIAC report makes specific recommendations for land acquisition and development in the Androscoggin, Connecticut, Piscataqua, Merrimack, and Saco River Basins. Such development includes more roadside recreation, picnic, and rest areas; camping grounds, canoe routes with camping sites along the way, bathing and craft docking facilities, and preservation of certain historic sites.

Land Management and Forestry

84 per cent of New Hampshire land is covered by forests; only Maine has a greater percentage. From these forests one out of five workers in the state benefit. While net growth of all wood exceeds the timber cut, our softwood sawtimber is being depleted at a 20 per cent rate, one which cannot be sustained. There must be found increased use for hardwoods overtaking other growth. Along with this the small owners who hold 70 per cent of our forest land must intensify their forest management practices.

The pattern in all parts of New Hampshire is for less crop and hay land; more woodland, permanent pasture, and land for urban and industrial use. Agriculture production will be intensified on smaller acreages.

Mineral Resources

Few of the numerous minerals in New Hampshire are of present commercial importance. Uranium, incidentally, is mentioned. The report calls for more studies and surveys with emphasis on materials for lightweight aggregates, pegmatite minerals, and industrial clays and sands.

Copies of the full NENYIAC report can be found at the New Hampshire State Library; the Water Resources Board in the State Office Building; and libraries at the University of New Hampshire and Dartmouth College.
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