# WORCESTER SUNDAY TELEGRAM, JUNE 27, 1948

# BY MARY F. BRIGHTMAN

FIRST LAMP-LIGHTER NAMED IN 1837

former Worcester girl there has come down to us a charming description of a lamp-lighter of long ago. Could it have been Bailey Clements, our first official amp-lighter, that Elizabeth Bigelow saw from the window of her grandfather's house?

Little Elizabeth was six rears old when Bailey Clemnts was lighting the early threet lamps of Worcester. Her grandfather was "Squire" Abiliah Bigelow; his house stood at front and Church streets. There was a street lamp on the worre.

he lamps lighted. A little old er, came along at a dog trot, cans, and putting a ladder amp, and ran on to the next one. And so we say 'ran like a dike writes " . . . my mind man, muffled up in a comfortwith his short ladder and oil against the post, lit the evening went back to the old, almost le girl, I stood, in the dusk of he evening at my grandather's parlor window to see In her memoirs, written in 896, Elizabeth Bigelow Upforgotten times, when as a litlamp-lighter."

Robert Louis Stevenson also had pleasant childhood memories of a lamp-lighter. He wrote affectionately of him:

With lantern and with ladder he comes posting up the

When I am stronger and can choose what I'm to do

O Leerie, I'll go round at night and light the lamps

with you.

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THERE was always something romantic about a lamplighter. In the dusk of evening he made his rounds, lighting the street lamps of the town. Oil lamps they were, in the early days, with a small flickering flame, affording a gleam in the night for all wayfarers.

days in Worcester there was

no street light in front of the

Town Hall. On March 7, 1831, the town meeting voted "a

It is recorded that in the early

lamps thereon."

The streets of Worcester were not regularly lighted by the Town until 1837, although for a number of years previously there were private lanterns on the streets. Paid for and lighted by private subscription, they were located before the larger stores, and the homes of im-

The first lamp-lighter, to be officially appointed, was Bailey Clements. He was named in March, 1837 "to have charge of the lamps and cause them to be lighted during the year," a duty he performed faithfully for many years.

ral power station. Today, the amp lighter simply throws a seen from one of our seven uresque lamps of yesterday to he modern version. Our streets re lighted by incandescent ights, controlled from a cenlights a whole aeighborhood. Altogether, Worcester has some 7400 street ights. Yesterday, a few flickerng candle-like lights illumined a countless he center of the town; today, It is a far cry from the picorilliant, steady lights number of jewels. hills, resemble switch

BAILEY CLEMENTS went about on foot, from street to street. He carried a forch, an oil can, and a ladder. Adjusting his ladder against the lamp-post, he hurriedly

Bailey Clements passed away July 15, 1846, after lighting the

streets of Worcester for nine

street lamp in front of the Town

Hall postponed indefinitely."

climbed up, filled the lamp with oil, lit it, and was gone, leaving a trail of lights behind him

cause to be lighted, the lamps

These townsfolk, who put up their own street lights, belonged to a lamp association. There is a statement in the early town

street, at the expense of the in-

Only on dark nights were the street lamps lighted. For several nights each month the people found their way about by the light of the full moon. In the early days, street lights cast their meager light only in the center of the town. At a town meeting in 1837, when Clements was appointed, it was "voted that the town cause the lamps in the streets, in the Centre School District, to be lighted for the current year."

records that "the Town will defray the expense of lighting the Lamps of the Lamp Associ-

It is evident from the early records that the citizen erected the lamp-posts, and furnished the lamps. It was voted at a town meeting in 1838, "that the roun of the charge of and the charge of the charge of

IHE lamp-lighter has received lasting fame through verse, story and song. In 1854, Maria Botton outbor

story and song. In 1854, Marias Cummins, Boston author, published her widely read book; "The Lamplighter." The scene, laid in New York, is the story of Gertie, a forlorn waif, who is adopted by a kindly, but poor, lamp-lighter, old Trueman Flint. An early "best seller," the book had great success, and was translated into foreign languages. It sold 70,000 copies in the first year after publication.

The childhood memory of a lamp-lighter inspired our Worcester native and well known song writer, Charles Tobias, to commemorate him in song. He, too, remembers the lamp-lighter, who came each evening at dusk to the corner of Providence and Harrison streets. His popular song, "The Old Lamp-Lighter" recalls that

Lighter recans that.
"He made the night a little

At another meeting in 1844, it was voted that "the Town

Wherever he would go."

How dark our streets would have been without our lamp-

and the lamp on Park street

near the south vest corner the same, the Petitioners

the same,

Rail Road crosses

ing one lamp in Park street at

will be at the expense of light-

the point where the Norwich

MC 1- Sighting

### A SLOW GOODBYE TO AN ERA

### 450 Gas Lamps on Street

### By SIDNEY B. McKEEN

When Worcester got its first electric street lights in 1883, the city was set

agog.

moon or not. .

The move prompted Mayor Samuel Winslow to prophesy that "the time is not far off when all our streets will be lighted by electricity."

At that time, the city had just over 300 gas lamps to light its streets. The lights burned every night until 11 o'clock "except on moonlight nights."

Pleas for Replacement Today, the city has more than 450 gas lamps and they burn every night,

Gradually, the friendly old sentinels appear headed for extinction, relies of a bygone era. But their passing has been slow, despite sporadic attempts to replace them.

In 1936, the late Mayor Walter J. Cookson advised the city to get rid of the gas lights in favor of electric. His plea was repeated in 1950 by the late City Manager Eyerett F. Merrill and in 1955 by Mayor O'Brien.

But the gas lights still burn, as they did more than a century ago, on many streets, just outside the downtown business section, an irritation to some, a source of pleasant nostalgia to others.

### Modernized in 1941

Gas lights hit their peak about 1920 when there were 635 spotted about Worcester's residential areas close to the heart of the city.

Then in 1941 they were modernized, Alabaster-rippled glass globes replaced the transparent enclosures that allowed a view of the flickering flame inside.

Many objected that the gas lights in then began to look just like electrics, robbing them of the charm they had in the days of yore.

Gone, too, were the youngsters who traveled the city with sticks and matches to light the night.



# Street lamps solid fixtures of old charm

Gaslights brighten streets and hearts of residents

he old army is just 28 strong now, where once it numbered more than a thousand. The cast iron sentinels are scattered around the city, sometimes in groups of three or four, sometimes stalwartly alone. They're in good neighborhoods and bad, on main thoroughfares and back roads, quietly doing what they have been doing for a century or longer — shedding light on the world around them.



James **Dempsey** 

There are few things as nostalgic as an old gas streetlight, with its solid iron column rising to the two cruciform ladder handles, the whole device crowned by a glass globe inside which the delicate mantles

glow. Almost everyone who enjoys gaslight describes it as having a softness that is somehow more comforting than the harshness of electric light.

Once, all public illumination in Worcester came from the city's gaslights. They were tended by men who bore ladders, tapers and matches, and whose predictable evening rounds became a wellloved part of a neighborhood's life. Old-timers will remember the song Worcester's Charles Tobias wrote about the man who cared for the lights along the Harrison Street of Mr. Tobias' childhood in the first decades of the century. The Harrison Street lights and their tender are long gone, but they live on in the words and music of "The Old Lamplighter."

Nostalgia for gas streetlights is a relatively recent phenomenon. In the 1940s and 1950s, the city was busily uprooting these outdated old lights and replacing them with brand spanking new electric incandescents. Even as late as 1971, Worcester was planning to phase out its remaining 58 lamps.

But as the technology of illumination marched on, from incandescent to mercury vapor to high-pressure sodium to metal halide, at some point it was realized that there was something quaint and unique about these pieces of Victorian street furniture, and the city began maintaining them.

Today, that job falls to John Corazzini. A painter by trade, Mr. Corazzini supplements his income by caring for the city's 28 gas lamps for a modest \$130 a month.

"I use a pipe wrench, screwdrivers — a flat and a Phillips head — a lighter to light them, Windex and paper towels and mantles," he said. "They're basically easy to manage." The only problem is getting spare parts, which often have to be ordered from England.

Looking after the gaslights has always been more love than labor. Mr. Corazzini took over the job from his brother-in-law, Paul Sestito Jr., who took over from his father, Paul Sestito, who took on the job from a co-worker at Commonwealth Gas Co., Joseph Socha.

The work remains the same. Mr. Corazzini paints the iron poles, cleans the globes, replaces the disintegrated mantles, and, more often than not, has a conversation with someone who lives nearby.

People tend to be proprietary about their gaslights, Mr. Corazzini said as he pointed out gas lamps along Mt. Hope Terrace, a small dirt road off Institute Road. And as if on cue, Celia Demers pulled up in her car to tell Mr. Corazzini that the lamp outside her house was out.

"I know," said Mr. Corazzini. "I light it, it flickers, and two days later it's out again. I don't know if the line is pinched or choked with carbon."

He promised to work on it later that day.

Turn to DEMPSEY/Next Page

## City's Few Gaslights Come in Three Styles

Most of the remaining gaslights in Worcester can be found between Milbury and Southbridge streets, on Crown Hill and off Institute Road.

All of the gas lamps that remain in the city rest on one of three post styles: the Welsbach No. 40, the Newport, and the Wordester. The Worcester style probably received its name after the city ordered a goodly number of that type of pole for its streets, according to Michelle Lahner of the Welsbach Corp. of New Haven, Conn., which supplied Worcester's gaslights.

The Newport post rests on a base that rises about two feet above the pavement. The main post is a fluted column ending in a ladder bar—the

place where the lamplighters used to rest their ladders.

The Worcester style post, the most common in the city, consists of a rather plain-looking tapered column that rises without break to the glass lamp at its top. As a rule, the Worcester and Newport posts were installed just before or just after the turn of the century.

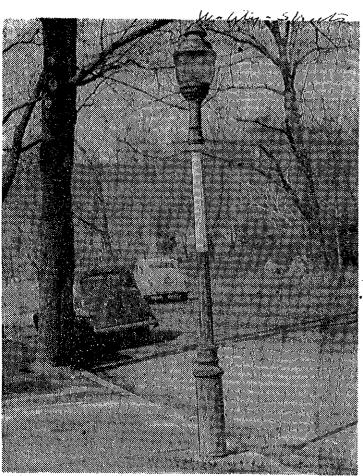
The Welsbach No. 40s came later and are much more ornate than the Newport or Worcester poles. The Welsbach pole consists of two heavy base sections and a shaft of twisted from that spirals to the lamp housing. Like the Newport, but not the Worcester, the Welsbach has a cross bar for the lamplighter's ladder.

Gaslight locations, with the number of lights found at each site, are: Agawam Street (1), Colton Street (1), Columbia Street (1), Cottage Street (3), Dayton Street Place (1), Elm Street (1), Farnum Street (3), Gladstone Street (2), Greenleaf; Terrace (2), Huntley Street (1), Langdon Street (2), Mt. Hope Terrace (4), Ripley Place (1), Washington Street (1), Oxford Street (1), Oxford Place (1).

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(a) GAS LIGHTS ON THE WAY TO OBLIVION? Elm Street Light Shows Signs of Tilting Age -

The Evening Guzette WORCESTER, MASS.

Merrill Moves 50 maintenance, and gas to keep the old lights running. There were 594 lights in use last year.

Worcester Gas Light Co. officials reported the first gas lights were installed around 1850, when the first gas main were laid. None

of the present gas lights are that

old, however, they stated.

The gas company sells gas in the Welsbach Street Lighting Co., which, in turn, sell it to the city.

To End Gas Lamps City Manager Merrill today made the first move in the city's history to get rid of gas street

lights.

He submitted a capital outlay item for the City Council's aproval of \$2500 for removal of 50 of the ancient lamps.

The items was requested by the Street Lighting Bureau of the Department of Public Works.

According to the Bureau, there are currently 591 gas street lights in use in the city. Most of them are scattered just outside the downtown area in the center of the city.

Last year, the Bureau revealed,

## Preserving City's Gaslights Gives Lamplighter a Glow

By Chris Pope Of the Telegram Staff

One by one they die, snapped by wayward snowplows, split by sliding cars or smashed by vandals who seem to work overtime cracking the 400-pound wrought iron poles on which they rest.

When the poles break, they're finished as surely as a person with a broken spinal

cord. Workers scoop up the shattered metal, throw it in the back of a truck and haul it to the junkyard.

Then the soft spray of light they cast becomes a memory, and their moody glow gets traded for the sharp, electric incandescence of the '80s.

Turn to LAMPLIGHTER Page 23A/

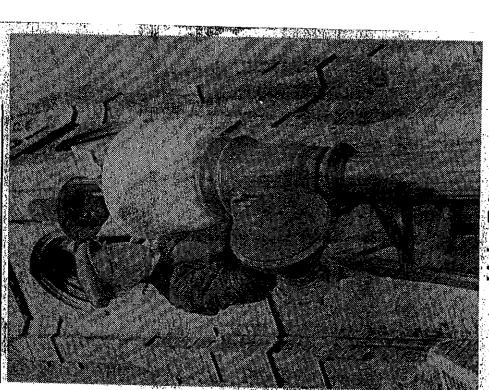
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# Light Trimmer

T. Frank Joyce, 21 Elin street, has been a street light trimmer for 20 years. And he knows the 70 lights that line Main street, as well as he knows the inside of his hat.

Every 228 hours the carbons in the lamps have to be adjusted or replaced. This duty varies with the length of the days. During the Winter, Mr. Joyce is quite busy.

There are 5500 voits in the line that feeds the lights. The

carbon stick is a metal tube about one inch square filled with carbon granules. A spring conductor forces it up against, a copper electrode to cause the arc light.

The impure occasional sputter is caused by pitting of the copper electrode: Pressure on the carbon will force it quickly against the copper closing the gap, but the surge of voltage will

## Light Plan The Public Services Committee Council Unit Fo Ask For

of the City Council voted last night to ask the Bureau of Street Lighting and Massachusetts Electric Co. to suggest top priority areas for modern street lighting and to recommend an ordered lighting plan for these areas.

three-man committee voted to recommend to the council stop-gap lighting on 13 city streets, amounting to approximately \$2,-Earlier in the evening,

Committee members said they decided to ask for an ordered lighting plan so that their entire budget would not be eaten up by

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stop-gap measures.
Lighling improvements, the committee will recommend to the Council frext Monday include Aylesbury Road, two 3:500-lumen mercury, vapor lights. Beacor Street from Killy to Jackson Street from Killy to Jackson Street Tim Killy to Jackson umen incandescent lights; Dewway; two 1,000 fumen incandescen lights, Brigham Road, eight 3,500 umen mercury vapor lights; Crowningshield Road, four 1,000 vapor lights: Beaver Brook Park ey Street, five 7,000-lumen mer

000-lumen incandescent light; Goddard Street, one 1,000-lumen inincandescent candescent light; Hilltop Circle, ight; Jeanette Street, one 1,000ights, and Mendon Street, five Also, Garrison Avenue, one 1, Street, five 3,500-lumen mercury 1;000-lumen incandescent vapor lights: Marimon Avenue .000-lumen incandescent lights. umen incandescent light: Lowel one 1,000-lumen cury vapor lights.

## shedding light transatu - Dee ye are sti

The soft, warm glow of gas lamps still lights the streets of some of Worcester's over a thousand lamps graced the city, most charming neighborhoods. Once, remaining. Many of those currently operating date back as far as 1897. but today there are only forty

off. In the recent past, semi-automatic timing devices did the job, but they had mechanisms to turn each lamp on and to be manually reset every eight days. burning 24 hours a day, because it is Nowadays the gas lamps are kept apparently less expensive than maintaining individual timing

In the glory days of gas lamps, before the electric street lights came on the Old Lampighter was written by composer Charles Tobias who was born rounds on-Vernon Hill: 5: 5: 5: The lamplighternay belong gone, but his moderate quivalent can be observed most weekends; cleaning and maintaining the city's gas street lamps. Once a month Joseph Sucha takes down that colorful gentleman going about his who fit the lamps each evening at dusk. In fact, a hit song of the 1940's "The and raised in Worcester, The song was inspired by his childhood memories of scene, it was the proverbial lamplighter the glass globe of each and every lamp,

work of maintaining the gas lamps is a deans the first deep the globe, replaces the fine fabric damples if need be, and relights the lamp. during the week, but on week-ends he moonlights for the City of Worcester. Listening to Joe talk it's clear that the Joe works for Commonwealth Gas labor of love.

electric. I remember the gas lamps from last section of the city to switch over to fond memories of gas street lamps. "I grew.up on the 'Island Millbury St.), Joe explained, "and we were the very Although just 38 years old, he has when I was a boy."

TO COPE

oe has a thing about the "old days." His hobby is collecting antique bottles that he finds around the city, often digging up the streets for Commonwealth Gas

recall: a slower, more peaceful time. He

reminisce about the era that gas lamps

People often stop to talk to him while

he's working on the lamps. They

But according to Joe, he's not the

only one who's on a nostalgia kick

says that he hasn't had any complaints:

from the people who live on the few

appreciate the beauty of the lamps—Several people have even asked where some of the most picturesque areasimenthecity, Hereitz asuggested mini-tourment for those who would like to discover the Joe's maintenance route takes him to remaining gas-lit streets. Instead, the residents tell him how much they they could buy one for their own use. gas street lamp at its best.

Pace yourself as you strolbup the sloping tree linechill; it's steeper than it may four lamps on this block of comfortable. perchitat boasts one of the best views in the city. It's all downhill from there. three blocks from Park Ave. There are Bancroft Tower, the stone lookont Farnum St. is off Institute Rd. but understated; single family hom appear. At the crest of the hill is

Continue on the same road, keeping to the right, until you come to Mt. Hope Terrace, This narrow, private, way, is bottom of the hill.



# PLAN WOULD ELIMINATE

ALE GITY'S GAS LIGHTS

The last of the city's gas street lights may soon

At one time, according to Horace H. Bigelow, superintendent of the Burean of Street Lighting, the city had as many as 2,000 gas street lights.

Now there are less than 300, he says, and they

are scattered about the city

these lights, the City Council Public Service Commitparatory to formulating a program to accomplish that With an eye toward elimination of the last of tee plans to study a contract with Welsback Co., preobjective.

Today, the contract calls for the city to pay the company \$10,560 a year for the gas street lights.

The total, City Manager McGrath said, includes cost of maintenance and of gas consumption.

Bigelow said the last hig batch of gas street lights was removed a couple of years ago from the Clark University area. Several others were removed at about the same time from the Murray Avenue district, he said.

Plan Gets OK
The Public Service Commit-Street Lighting

tee of the City Council Tuesday recommended installation of 10 7,000-lumen street lights on Grove Street, between Kimball and Lansing Streets.

Improved lighting for several adjoining streets was also recommended.

two 3,500-lumen lights for Vega Lane and two 3,500-lumen lights The committee voted nine 3,-500-lumen lights for Leslie Road for Venice Street.

Also recommended were: the lights, to be replaced by three 21,000-lumen lights, on Airport removal of two 1,000 - lumen Drive; installation of one 7,000 umen light at Leeds Street and Whitmarsh Avenue; installation of single 3,500-lumen lights at Monroe Avenue and Nevada St. and on Clark Street.

Also, installation of single 1,-000-lumen lights on Oneida Avenue, Wilde Avenue, Brewster Road, Carolina Street, Purchase Street, Corning Avenue, Jenkins Drive and at the intersections Street, Samoset Road, Zenith of Maranook and Maravista Roads and Wells and Plantation Streets.

Lighting Costs
Rise \$36,728
The cost to the city for street City Street

ighting in 1961 was \$507,473—an ncrease of \$36,728 over the presuperintendent of the Bureau of ceding year, Horace H. Bigelow, Wires, reported yesterday.

Massachusetts Electric Co.. the city pays only for the electricity that loss of electrical inspectors Under an agreement with the consumed. Street lights are owned In his report, Bigelow also said scale has handicapped his deand maintained by the company because of the city's low

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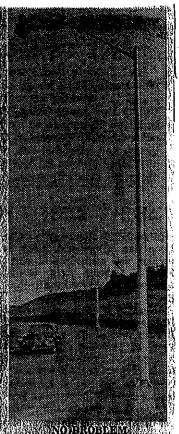
### Electric and Gas



instant yabbanasis illi ale in des ioni ille airport owns and controls them but keeps hem light ed on the same schedule as civowned lights.

Bisewhere in the gity there are 1629 mercury vapor slemps varying from 5,800 to 5,000 umens in strength incandescent imps numbering / 519 th all range from 5,000 to 15,000 lumens.

Che of the unique features of civ streetlights is the individual electric eyes which are being adapted to all types of lamps with an electric eye attached, light can decide for itself then it is time to turn on and then it is time to turn on and if according to the degree of arkness:

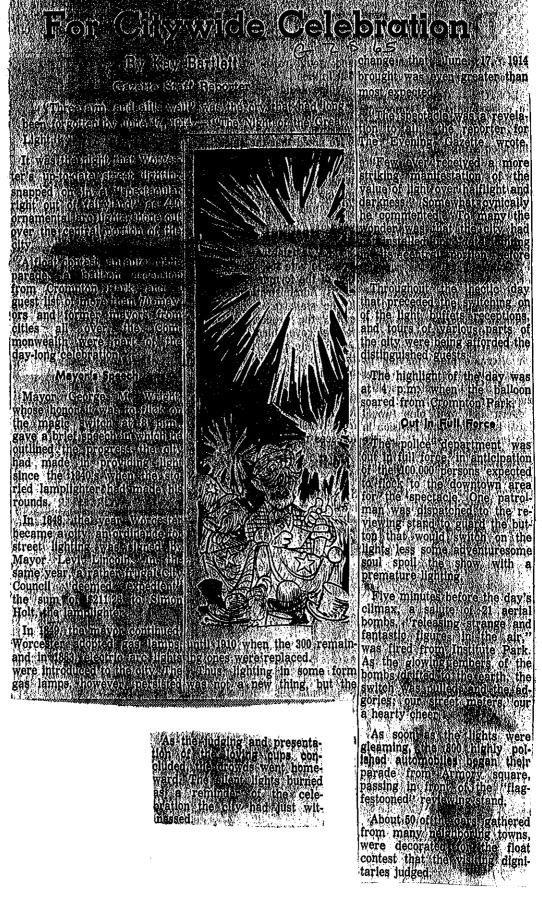




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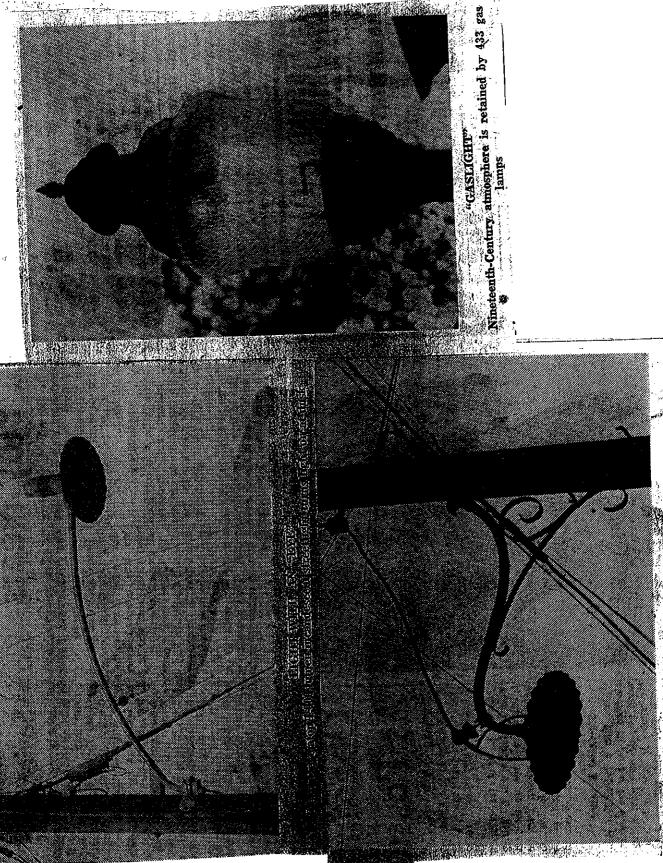
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wOLD FAITHFUL!

OCT 1 9 1981



By FREDERICK L. RUSHTON Sunday Telegram Staff

HENRY A. KNIGHT has been superintendent of lighting of Worcester streets since 1893. That was the year in which the office was created. In his long and active career he has witnessed a remarkable development which has been largely, of course, of his own fashioning.

Fifty years ago, it seems significant to point out, few cities in the country concentrated very much attention on the growing urgency of highway it lumination.

Previous to Mr. Knight's taking over of the office, Worcester was served by a street lighter named Patrick Ronayne. Mr. Ronayne had his own program of operation and a comparatively small area to illuminate. In all there were less than 2400 lights—gas, gasoline and electrically operated which were depended upon to facilitate night-time traveling in the city.

The presumption is that travel after dark was not very popular. Street lighting, or the remarkable expansion for which it was destined, was not envisioned then. The horseless carriage had not made its appearance and after dark the place for a horse was in his stall. Mr. Knight mentioned, while reminiscing the other afternoon in his office at City hall, that he had not expected to remain in office more than two or three years because he had other propositions under consideration.

In Mr. Knight's first term, the expenditure for salaries, labor of

lighting and materials amounted to something over \$86,000. Today that figure has been more than tripled. He recalled that a large number of gasoline lamps then in use were burned on a moonlight schedule made out in advance with the aid of the Old Farmer's Almanac.

"It was always necessary," he mentioned, "to figure on pleasant weather."

On nights when the heavens conveniently provided a full moon display there was seen to be no necessity of lighting the lamps and burning thereby valuable fuel. If a storm appeared, it was considered that the place for the wayfarer was in his home and not on the street.

AT that period hand-lighting was still in vogue throughout the city. The system called for the employment of eight "drivers," each of whom supervised a district. They were referred to as drivers, Mr. Knight explained, since it was necessary for them to operate a team in order to transport the gasoline. The lamps had to be filled every day, the amount of fuel in each being calculated to last through the night.

The drivers, in turn, employed boys in the various neighborhoods to perform the nightly and morning chore of lighting and putting out the lamps. They were paid about a half cent a lamp, Mr. Knight recalled. Each boy had a six to eight-foot ladder, a blow torch and a pole with a match stuck to the end of it. A large amount of heat being needed, it was necessary to use the torch to coax the gasoline lamp into illumination while the match was sufficient inducement for the other. The boys would start out from their homes, with the ladders over Before long the downtown area would be fairly well illuminated. It remained dark beyond Webster square, Park avenue and Lincoln square.

A RECORD of a driver "Charlie" Kelley in the early 1890's showed that for taking care of 257 lamps and six police signals—the latter also were both gas and gasoline operated—he was paid \$161.71 for the month of April. Out of that he had to furnish his team, fill the lamps and pay the boys.

Prior to Mr. Knight's appointment, the practice had been followed of purchasing the gasoline in New York and having it shipped to this city in

barrels. This was observed to be an expensive procedure since a six per cent shrinkage loss was incurred. One of Mr. Knight's first acts was to have the city buy a small block on East Worcest Tatreet, adjacent to the railroad tracks, and turn it into a gasofne shop. Here the fuel was bought f. o. b. out of tank cars and stored in huge containers in the shop. For many years tle."lighters" drove their teams up to this shop every morning to get their supply of gasolie and for many years Mr. Klight was on the scene, to supervise activities. every morning at 6.30 o'clock, The shrinkage loss, he said, was reduced to about two per cent.

M. KNIGHT installed no radical changes in the existing system but developed and expanded it according to the demands of the times. In this connection his annual report to the City Council in 1905 is of interest:

in its general character," he wrote, "varies but little from year to year. The ever-present problem is how to obtain maximum efficiency at minimum cost, and how to make such extensions of the service as the citizens may demand without unreasonably increasing the total expense of the department...

"The safety of the general public demands street lights in the alleys behind important business blocks, and the 'gangs,' with which every city is more or less infested, usually move on when a light is located near their rendezvous.

"As a general proposition, a street, in the thickly settled parts of the city, is well lighted when one can read his watch midway between any two lights, and a street leading to the surrounding towns is well lighted when one can see the shadow of the team he is driving midway between any two lights.

adopted some years ago by this department, and the

lights installed during recent years have been spaced on this basis, on the principle that it is better to thoroughly light onehalf of the length of a street than to half light the whole of it. The practical application of this standard and a proper regard for the cost of lighting per street mile, renders different classes of lights necessary.

"For the business part of the city, and at the intersection of streets where the shade trees are not too numerous, or the foliage does not interfere with the efficiency, of the lamp, arc (electric) lights are used exclusively. An arc light, placed at the intersection of two streets, properly located and under proper conditions, is the cheapest and best method of illumination in use. If, however, the same arc is placed midway between street corners, from one-fourth to one-half the light is wasted, and proper illumination can be obtained by the use of smaller lights. In these cases, on streets carrying a small amount travel, or where the shade trees are in such condition as to 6bstruct light, the Welsbach (gas) system has been found preferable. . . "

In that year there were in use some 4000 lamps as compared to 2400 when he assumed office and approximately 7500 today.

Total expenditures amounted to \$131,000 or an increase of about \$50,000. It is significant that the cost in 1933 was only \$239,000 despite the greater percentage increase in the number of lamps.

Generally the principles de-'fined in Mr. Knight's 1905 report have governed his development of the Worcester system through the decades. It has been largely an experimental undertaking with little opportunity of copying or following standardized practices established by others. At the time of his taking over the reins, cities had made very little progress in this direction. He recalled that at one time, in an attempt to study their methods, he sent out a questionaire listing 10 or 12 simple but pertinent questions. Only a comparatively few returned answers of any material assistance. In response to the question "What do you figure for depreciation?" one city father responded, obviously very much puzzled:

"What do you mean by depreciation?"

PRINCIPAL achievement of Mr. Knight's administration was the having of all overhead wiring cleared in the twomile circle of the downtown district. In this endeavor he was motivated not only by a sense of the ugliness of the obstructions but also by a realization of their constant threat to the continuity of the service in Winter. A committee which comprised also the City Engineer and Superintendent of Streets took the matter up with the State Legislature and received its authority to have the wires buried underground. The Electric Light Co. which by that time was providing and maintaining the service, under contract to the city, was not at first inclined to favor the proceeding. In this connection Mr. Knight recalled a certain stormy night many years ago that he spent with William Coughlin, then superintendent of the Electric Light Co., in the Faraday street station.

"We saw one circuit after another going out. We managed to keep one going on Main street. The rest of the city was in complete darkness. About 3

put out the last circuit. There was nothing else left for us to do so we bundled up and departed for home. 'Well,' I remarked as we stumbled along, 'will you bury those wires?'

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""'Xes!" came the answer quickly, "'Yes'!"

Down went the wires. Today Mr. Knight takes pride in the fact that Worcester has a larger area cleared than most cities of its size. Many cities, in fact, have never undertaken any effort in this direction.

BUT in the matter of a 'white way' several have taken precedence although this circumstance is not especially regretted by Mr. Knight.

"Some," he said, "would like to have their city look like a sunburst your wife wears to the opera. Personally, as far as the hazard element is concerned. I think a brilliant illumination is more dangerous than one to which the eye accustoms itself without sudden effort."

The situation today finds only a few miles of highway still unlighted and these stretches usually are new streets or streets on the city outskirts which extend through an unpopulated section. The gasoline lamp has been entirely abandoned and those remaining now are served either by gas or electricity. The former have been retained because, in Mr. Knight's estimation, their illumination is more effective on streets lined by shade trees and greatly darkened by overhanging foliage. Therefore the gas lights, of which there are some 600, are

popular in residential districts. Lower in height than their electric relative, they have also the advantage of giving off rays which exhibit a tendency to spread out under the branches. Each is equipped with an automatic starter. Mr. Knight remarked that an installation on Florence street is especially effective in overcoming a darkness area caused by foliage.

YOU have noticed, possibly, the difference in the intensity of light at certain street corners. The answer, of course, is contained in the physical features of the location. Along Chandler street, for example, it has been found advisable, because of the great width of the

💃 employ arcs which a measurement of 15,000 ins or about 750 watts. This The is the most powerful in dse in the city.

On Chestnut street, which is especially narrow, it has been discovered that the buildings act as reflectors and a light of less power can be used to advantage. The ornamental installations which you see on the Common are of an early vintage but will be noted to have an effective radius of illumination. The greatest number are of the 1000 lumen or 62.5 watt variety and are located on side streets on which travel is comparatively light. There are some 4000 of these, as compared to about 1300 of the 6000 lumen type and 100 or so of 2500 lumens.

A lumen (perhaps you will not be interested but in case you are--) is the conventional unit of luminous flux or the flux emitted by one international candle through one steradian. All of which, you say, is not very "illuminating!" We agree. Roughly the lumen is usually thought of as being equivalent to 10 candle power--a 6000 lumen being of 600 candle power.

THE practice today is to turn on the lights 20 minutes before sunset and the same period before sunrise. The Old Farmers' Almanac is still followed as an authority on the predicted variation in the movement of the sun and moon. On Dec. 28, at the height of the dark period, your streets burst into illumination at 4.25 p. m. whereas on Nov. 1 they were not lighted until 5 p. m.

In the matter of spacing installations Mr. Knight has followed the procedure of creeting none, if possible, at distances of greater than 400 feet and usually the shortest in-between area has been 200 feet. Sometimes, of course, auxiliary installations have been seeded to control certain hazards.

BEING street-lighting generalissimo of Worcester for such a long period has been an interesting experience as Mr. Knight sees it. It has been a pleasant one, too. There have been innumerable problems which he has had to meet and overcome to the average satisfaction of the citizens. Like many in executive capacities, with a small operating force, he has been burdened also with were times, too, when it seemed as though every house-owner in Worcester wanted to see a bright, new electric light pole directly in front of his residence. But all these are circumstances and situations which go with the job. He has found in it an immense satisfaction. Perhaps he sees in Worcester in the night, in the darkness there, a thousand twinkling monuments to his career.



HENRY A. KNIGHT, SUPERINTENDENT OF WORCESTER STREET LIGHTING SINCE 1893.

A casual survey of newspaper clippings shows how it has gone. In 1946 there were still 601 of them in the city; in 1955, there were 530; in 1957, 483; in 1962, 295; in 1973, 80.

.... · wyo UNO

Now, said Paul Sestito as he took a visitor on a tour recently of Worcester's remaining natural gaslights, there are just 26 of these solitary sentinels sprinkled throughout the city like fireflies in a black velvet night.

For Sestito, the task of protecting the last few survivors of Worcester's gaslight era is a part-time labor of love. A worker for Commonwealth Gas Co., he devotes some of his off hours to keeping the city's diminished supply of gaslights alive and well.

For \$130 a month, Sestito, 46, patrols the 13 streets where gaslights continue to burn in Worcester, cleaning their glass globes, troubleshooting their worn-out or broken parts, painting their graffiti-covered poles and replacing their woven-cotton mantles.

### **Glowing Mantles**

For those too young to remember, the mantles are what make a gaslight glow. Made of woven cotton, they are coated with such minerals as cerlum, thorium, aluminum or magnesium. When touched with a match for the first time, the woven thread is reduced to ash, but the fragile mesh of minerals keeps its shape and glows from the heat of the gas as it burns inside.

"A mantle will last you a few months, maybe more," Sestito said as he drove past Greenleaf Terrace, a private way off Pleasant Street about halfway between Newton Square and Richmond Avenue. "I've gotten a year out of some of them."

Sestito has been taking care of the gaslights for six years now. He inherited the job from another gas company worker, and intends to pass it on eventually to his son, Paul Jr., 14, a student at St. John's High School in Shrewsbury.

"Paul's been going around with me for the past few years, helping me clean and fix them," the elder Sestito said. "I've been showing him what I know, so as soon as he gets old enough to drive, he'll be able to take over."

What parts Sestito can't fix or salvage from irreparable gaslights are "I hope I don't live to see the end of them." I think it would be a shame. I really don't know why I like them so much. I just do. It's because they're a part of history, I guess."

Paul Sestito

ordered for him by the city from the Welsbach Corp. of New Haven, Conn. Although the cost of parts has risen steadily through the years, the city still seems willing to provide him with what he needs to keep the lights glowing, Sestito said.

In the 1890s, the Welsbach Corp., located at that time in Baltimore, took the incandescent mantle invented by Baron Auer von Welsbach of Heidelberg, Germany, and introduced it into the United States. The superheated mantles were such an improvement

over the old gasoline lamps that preceded them that within a few years the company had established a network of gas-lighted street lamps in many U.S. cities, including Worcester.

### A Musical Inspiration

During their heyday in the years before World War I, more than 1,000 Welsbach gas lamps bathed the streets of the city with a yellowish glow. The glass-globed lamps were capable of casting as much light as a 76-watt electric bulb. They were owned and maintained by the company, which hired children and elderly men to travel throughout the city with long sticks and matches to defeat the night. Now, the remaining gaslights are kept lighted around the clock on the theory that keeping them going is cheaper than maintaining individual clocks in each lamp.

While they were around, however, the lamplighters served as a source of inspiration to at least one city dweller. One of the city's lamplighters spurred Worcester-bred composer Charles Tobias to write "The Old Lamplighter," a best-selling hit of the late 1940s about some unknown city employee who lighted the gaslight in front of Tobias' boyhood home at 79 Harrison St.

"He made the night a little brighter," wherever he would go," went the song's lyrics, "the old lamplighter of long, long ago."

But not too many years later, the lamplighter's job was taken over by built-in automatic timers, and gradually Worcester's romance with gaslight began to fade.

In 1936 Mayor Walter J. Cookson counseled the city to replace its gaslights with electric lights as soon as possible. "Cookson Takes First Step to Junk Street Gas Lamps," read the Worcester Telegram headline announcing the mayor's idea.

### Anti-Gaslight Campaign

City Manager Everett F. Merrill took up the anti-gaslight cudgel in 1950, and Mayor James D. O'Brien continued the campaign in 1955. Perhaps contributing to the demise of the gaslight was the replacement in 1941 of the clear glass globes on many of the lamps with more modern-looking alabaster glass globes. The replacement globes caused many people to say that the gaslights then began to look just like electric lights, stripping them of their former charm.

As it turned out, however, getting rid of the gaslights proved to be a difficult task. In many cases, phasing them out involved digging up pavement and disconnecting lines from gas mains. Faced with that, the city hit upon the policy of waiting until there was some other good reason to dig up the street and taking out the gas lines and the

lights they fed at the same time.

And so it went. Attrition of the lights continued slowly during the tenure of City Manager Francis J. McGrath until, in 1967, Welsbach discontinued servicing the lights and the city took them over. Errant motor vehicles and vandals have been picking them off one by one ever since.

Sestito, for one, hates to see them go. "I hope I don't live to see the end of them," he said. "I think it would be a shame. I really don't know why I like them so much. I just do. It's because they're a part of history, I guess."

### **Proprietary Interest**

Apparently Sestito is not alone in his feelings. During the past few years, he has noticed that people with gaslights still on their streets have taken an almost proprietary interest in them.

"They kind of watch them, you know. Whenever I come around to check on them, they come outside and start questioning me to make sure I'm not there to take them away. They really help out with the vandalism too. I haven't lost one to that in a long time now," he said.

So just maybe, the gaslights will be able to hang in there for yet a while longer.

"I hope so," Sestito said as he drove along Water Street to complete his inspection tour. "I just love to keep them going.

"Look," he said pointing at the solitary gaslight on Columbia Street, off Water Street. "Look at that lonely one down there. I've got to remember to come back and get it all cleaned up for Christmas."

WI CONTOLIGATING

Republ 10, 1957

### Celebrated in Song

Perhaps the most nostalgic pièce about lamplighters was a tune written by composer Charlie Tobias, that was nationally popular in the early '40s.

Tobias is a former Worcester man and his song pays tribute to the lamplighter who lit the old lamp outside his boyhood home on Harrison street . . . "he made the night a little brighter, wherever he would go, the old lamplighter, of long, long ago."

Today, the romance is gone, argue

the fanciers of antiquity.

The "lamplighter" today is a representative of the Welsbach Street Lighting Co. of Philadelphia who is assigned here full-time to make the rounds and keep an overall eye on the lights. For years the lights have been operated automatically from built-in clocks.

It costs about \$50 to replace the average gas light, but it's not quite as

easy as all that.

### No Underground Wiring

First of all, according to Horace H. Bigelow, superintendent of the Street Lighting Bureau and a member of the bureau staff for 46 years, many streets, particularly on the city's west side, have no underground wiring.

That means tearing up an entire length of street and that in turn means

a lot of money.

Secondly, there are many property owners who just don't want a tall new pole in front of their homes. And they have a right to be heard at open hearings.

Advocates of replacing the gas lights argue principally in terms of safety and crime prevention. They point, out that the illumination from a gas lamp is comparable to that from the smallest electric street light, about 76 watts.

The most wholesale conversion of gas to electricity in the city was last year in the area around Clark University. College officials warned the dimly-lit neighborhood just wasn't safe for girls

at night.

### Baltimore Problem

That 11 p. m. curfew in the so-called Gay Nineties points up the fact that people didn't stay out so late in the old days.

In Baltimore, Md., like Worcester and Boston, one of the more than 30 American cities which haven't said "23 skidoo" to the lamps, protests came in against conversion to electricity from indignant swains who took a dim view of kissing their sweethearts good night in brightly lit doorways.

in brightly lit doorways.

Baltimore's reputation among the romance-minded was increased when the city adopted for a time, lamp domes frosted on the side facing doorways.

The city has had requests from time to time from antique-lovers who want to buy the gas lights which have served their last useful purposes. They want them mostly for yard decorations.

### City Not the Owner

In the 1890's, the city had nearly 2,000 gasoline lights, a first cousin of the gas lamps. By 1910, the last 300 of these gave way to 75-watt tungsten lights.

Multi-deck parking garages have come ... streamlined cars ... automation... but the gas lights burn on, as they have since 1849, nostalgia personified.