
ANNUAL REPORT
OF THE
DEPARTMENT OF PARKS

BOROUGH OF THE BRONX
CITY OF NEW YORK

1921

JOSEPH P. HENNESSY, Commissioner

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DEPARTMENT OF PARKS

BOROUGH OF THE BRONX

January 30, 1922.

Hon. John F. Hylan,
Mayor, City of New York.

Sir:

I submit herewith annual report of the Department of Parks, Borough of The Bronx, for 1921.

Respectfully,

JOSEPH P. HENNESSY,

Commissioner.

ANNUAL REPORT—1921

In submitting to your Honor the report of the operations of this department for 1921, the last year of the first term of your administration, it will not be out of place to review or refer briefly to some of the most important things accomplished by this department, or that this department was associated with during the past 4 years.

The very first problem presented involved matters connected with the appropriation for temporary use to the Navy Department of 225 acres in Pelham Bay Park for a Naval Station for war purposes, in addition to the 235 acres for which a permit was given late in 1917. A total of 481 one-story buildings of various kinds were erected during 1918, equipped with heating and lighting systems.

This camp contained at one time as many as 20,000 men, who came and went constantly.

All roads leading to the camp were park roads and in view of the heavy trucking had to be constantly under inspection and repair. The Navy Department took over the pedestrian walk from City Island Bridge to City Island Road, but constructed another cement walk 12 feet wide and 5,500 feet long, at the request of this department, at an expenditure of \$20,000.

One thousand automobiles per hour passed and repassed through the park road on which both sections of the camp fronted.

THE SITE TO BE RESTORED

Pelham Bay Park has been cleared of all buildings erected during the war by the Navy Department, and the latter is expected actually to begin in the spring of 1922 the work of restoration.

Last summer the site was open to the public, and was taken advantage of to a large extent, as its waterfront is most attractive. Although there is no regular beach along the shore, many persons nevertheless indulged in a bath or swim, dressing and undressing themselves under such shelter as the trees and shrubbery near the shore afforded.

VICTORY GARDEN

The old City Hall Fountain, transferred and erected in Victory Garden, was originally erected in City Hall Park, under an appropriation made in 1871. The plans were drawn by Jacob Wray, a noted architect. Construction was started soon afterward, and in the spring of 1872 it was completed at a cost of \$25,000.

CROTONA PARK EXTENSION

Physical obstacles and lack of special appropriation were formerly assigned as reasons for not improving this land. Responding to insistent demand from nearby property owners and citizens generally, this department took up the improvement of this site and carried it to successful completion without a special appropriation.

The land, sloping towards Southern Boulevard with a 10% grade, made the work difficult. Large holes on this slope had to be filled. This fill was procured from excavations from new buildings. Eventually the work was completed at a cost of approximately \$5,000, although plans were on file in this department for the execution of the work at a cost of \$60,000.

A local newspaper said:

"The residents of the neighborhood have often expressed their satisfaction with the arrangements made for beautifying the park and the department has received the highest praise for its work. It is said no other park property, unless the strip back of Borough Hall, received the attention given this land."

In addition to the improvement of the site other bad conditions were suppressed. Formerly, there was no light at night; there was a thick undergrowth of bushes and shrubbery and many complaints of disorderly conduct were made.

POPULAR DEMAND FOLLOWED

The ever-growing demand for park embellishment has been complied with to the extent that our appropriation, economically handled, permitted.

Increased automobile traffic not merely emphasized the need of permanent pavements on the main park roads, but indicated the necessity in the near future of devoting space exclusively to automobile traffic, and has presented new problems of administration.

Our shore front, covering nearly twenty miles along the Sound, Pelham Bay, Eastchester Bay and the Hutchinson River, seemed particularly attractive last summer for automobile parties.

A large portion of this territory is unimproved. That portion, west of the tracks of the Harlem Branch of the N. Y., N. H. & H. R. R., has never been improved for the reason that no money for the permanent improvement of the park system of The Bronx, such as was adopted in the case of Central Park, has been appropriated, although Pelham Bay Park, for instance, consisting of 1,756 acres, is more than twice as large as Central Park.

The chief expense for permanent improvement of The Bronx parks would be for road work, paving, planting and forestry, and because of the favorable physical characteristics, would not equal the cost of Central Park.

It would appear to be time, however, to consider the improvement of at least Pelham Bay and Van Cortlandt Parks on a definite and comprehensive plan.

The Rice Stadium is said to have cost up to date one million dollars; this gives some idea as to what might be the ultimate cost of construction, under a plan of permanent improvement, not only of the land itself, but of the waterfront on Pelham Bay. It is noteworthy that the landscape effect can be better appreciated from the water than from the land, and the possibilities of great improvement thus may be seen.

John Mullaly, writing in 1887, in a book published by the "Record and Guide," said:

"The three large parks (Bronx, Pelham Bay and Van Cortlandt) in the new park system have an individuality as marked as that which distinguishes one man from another. Each has its characteristic excellences, its distinguishing peculiarities, and what we may call its physiological traits. The Park by the Sound has a character all its own; it is unique in position, and to that fact it owes its pre-eminence. Van Cortlandt has its magnificent parade ground, in itself an attraction that would be felt as far as the Battery; its wide reaches, its running brook, its magnificent views, its ancestral trees and its terraced garden; and the Bronx has a picturesque loveliness that satisfies but never satiates. It is the haunt of artists, for here they can find solitude profound and scenes as romantic as any in the Adirondack wilderness. And this within less than a half hour's drive of the Harlem River."

AUTOMOBILE PROBLEMS

The demands from lunch parties and others for parking in Van Cortlandt Park were met satisfactorily, although there was occasional difficulty keeping automobiles off the lawns.

The crush of automobiles in the parking space provided for by the Zoological Society, immediately south of Pelham Parkway, was so great that on Sundays a long line of automobiles, many of them from New Jersey and Connecticut, could be seen parked on Pelham Parkway.

BRONX RIVER PARKWAY

Development work on that portion of the Bronx River Parkway Reservation within Bronx Borough was practically completed.

The Bronx River from Botanical Gardens northward to the city line was filthy a few years ago with sewage and factory waste pollution. Its swampy margins were, in many places, a neglected dumping ground for refuse. The conversion of the river valley into a parkway reservation has involved the elimination of all pollution; the river channel has been improved and deepened, and low areas converted into filled and graded slopes. Within the city limits this work has involved the handling of about 300,000 cubic yards of earth. The 40-foot paved motor driveway, from Woodlawn north

to Mount Vernon, was opened to traffic in November. South of Woodlawn, the driveway has been paved and is expected to be open to traffic upon completion of the two bridges immediately north and south of Gun Hill Road about May 1, 1922. This section of the parkway drive with a parking strip occupies the westerly portion of Bronx Boulevard, opened as a 100-foot street some years ago. The drive and parking strip occupy fifty-seven feet of the boulevard width. The grading and paving of this area by the Bronx Parkway Commission relieved abutting owners east of Bronx Boulevard of heavy assessments.

A complete transformation has been effected at Williamsbridge where the area between Newell Avenue Bridge and Duncomb Street has become a fully developed park with paved driveway open to traffic since 1917. The grade of Gun Hill Road has been raised and carried over Bronx Boulevard and Bronx River on architecturally imposing masonry arched bridges, the purpose of which is not only to secure an easier grade but also to separate business traffic on Gun Hill Road from the passenger motor traffic to which the parkway drive is restricted.

The Bronx Parkway Commission expects to complete the entire project beyond the city limits in about two years, providing a beautifully parked driveway 16 miles long from Botanical Gardens to Kensico Dam, where New York City owns a tract of 4,500 acres of land and water, from which a magnificent system of roads radiates through the Croton watershed lands. This constitutes a great outer park system for New York City.

It will perhaps be worth considering whether the State should not take up consideration of participating with the city in providing a new parkway extension from or near the north end of Van Cortlandt Park on both sides of Jerome Avenue, to meet the ever-increasing demands of automobile use.

The extension of various rapid transit routes, particularly the Westchester Avenue subway line to Pelham Bay Park, brought thousands of new visitors, who in unusually large numbers took advantage of the bathing facilities of Pelham Bay Park, only a short distance from the subway terminus.

There was also an increase in bathing at Orchard Beach. With greater facilities, perhaps double the number could be accommodated, and the bathing or locker receipts would be correspondingly increased. I recently made a request for Corporate Stock allowance for \$200,000 for new concrete bath-houses.

APPROPRIATIONS

Liberal appropriations are made for other branches of public service. Why not some recognition of the public parks? They are essential features of city life.

A singular condition is that if for any reason a specific appropriation is not expended, the next year this particular appropriation is correspondingly reduced, on the theory that it was not spent during the prior year, and hence

it will not be needed the subsequent year. This department respectfully submits that this policy on the part of the examiners is erroneous. An instance is, that in the budget allowance made in 1917, for 1918, 1,472 days were allowed for playground attendants. On account of the war, playground attendants could not be had at \$3.00 per day, the allowance provided. The Civil Service lists contained no person eligible for appointment.

If there was a desire to spend the money simply for the sake of spending it, without any regard otherwise, it could, of course, have been spent by giving employment to poor substitutes. But the money was not spent, and the result followed that in 1918 our playground appropriation was cut to 1,000 days for 1919. It has remained cut ever since to 1,000 days' allowance, notwithstanding the insistent demand for more playgrounds.

Not only were 472 playground days taken out of our allowance, but even labor days were taken out, on the theory that laborers who were employed to take the place of playground attendants, were not needed as laborers. Picked laborers, as playground attendants, were of course better than picked-up help. However, they were not paid for in the same code number as attendants, so the playground fund was not touched, although laborers were employed principally to prevent accident. Because of the condition above described, the playground allowance has remained stationary since the time it was reduced in 1918.

Our playgrounds should be opened not later than April 15th, and kept open until September 15th. On account of financial compulsion, we open our playgrounds later than the date first mentioned, and close them soon after Labor Day.

We have eight playgrounds with equipment. We should have more.

HOW REDUCTION WORKS

From our appropriation for 1921, \$14,656.50 was set aside, first, to meet the deficit of the Board of Education, and then transferred to the Police Department. As a consequence, our appropriation for 1922 has been made less for labor than 1921, by 1,500 days.

With the demands constantly growing for improvement of more park area, and each improvement requiring more labor for maintenance, it can be readily seen that it will be difficult to meet all demands.

WE SHOULD HAVE MORE PARKS

It is a fixed idea of some authorities on parks that the other boroughs of the city should have more parks, but not the Borough of The Bronx, because,

they argue, The Bronx is well supplied. They figure on a basis of population, unmindful that The Bronx parks are visited by at least as many people from Manhattan as Manhattan parks. They are also evidently not aware that The Bronx parks have a substantial number of visitors from Connecticut, New Jersey and Westchester County, not to speak of tourists generally.

FAMILY CAMPS

Four hundred and twelve families, representing about 2,500 individuals, were in camp at Orchard Beach during the summer. They came, proportionately, from The Bronx, Manhattan and Brooklyn in the order named. Families averaged about six in number.

Sanitary conditions were good. Bungalows are not allowed; the structures are entirely frame and canvas. The camp site faces the water. It is an ideal one and is getting more popular each year. Music was furnished at frequent intervals.

BATHING

Last year was New York's hottest year, according to the official weather observer. The crowds at times became so great that a line of several hundred extended from the bathing house entrance. No line would exist at any time perhaps only that many of those who go in the water stay for hours, causing inconvenience to others. With the limited facilities, there appears no practical way of stopping this abuse.

The bathing houses should be replaced by more modern structures. Being wooden buildings, they are liable to burn at any time. Besides, they are inadequate.

In addition to those who paid the ten-cent charge for the privilege of the use of lockers, a large number of permits, 10,000 estimated, were given to various institutions throughout the city that requested the free use of bathing privileges for their dependents.

Twenty-six thousand, two hundred and eighty-eight dollars and forty cents was actually received in ten-cent pieces.

NO INCREASE IN STAFF

With the added activities of the department, its staff remains the same in number with super-added duties. In the Secretary's charge, for instance, is the issuance of all season golf permits. In each individual instance the money is deposited, and accounted for by him. He also issues tennis and practically all other permits.

For lack of other aid, I have to call upon him to handle also all the daily bathing receipts and camp receipts during the summer. As a result, I am largely deprived of the services of the Secretary, but there is no other employee to whom the above duties can be designated. He is required, at the same time, to give special supervisory attention to bathing conditions. This

particular duty requires him to spend many more hours on duty than is ordinarily spent by any person either in private or public service.

In 1919 and 1920 I recommended that this department should have a Recreation Bureau provided with a supervisor and a competent play leader, preferably a woman, with sufficient salary to be employed the year around. I respectfully renew this recommendation.

GREENHOUSES—BRONX PARK

The greenhouse output has been remarkable. Our greenhouses are not for show, but for propagation. We propagated, maintained and handled 300,000 bedding plants for outdoor display. In addition, we constructed 500 hot beds to care for plants taken from greenhouses, on account of lack of space, and at the same time took special care of the surrounding grounds, lawns, trees, shrubs, roads, paths and tennis courts.

Pelham Parkway was the subject of much favorable comment. Its floral and plant display was regarded as rivaling anything to be seen in the United States.

The usual garden display was also made at the lower end of Van Cortlandt Park. At this location, 15,000 herbaceous plants and about 10,000 annuals were planted in the Shakespeare Garden. Fifty thousand ornamental bedding plants were also cared for in the Colonial Garden.

Sixty-eight thousand plants were distributed to other departments and institutions as follows:

- Hospitals.
- Welfare Department (Wards, Harts and Blackwells Islands).
- Public and High Schools.
- Police Department Booths and Stations.
- Department of Education.
- Libraries.
- Court Houses.
- Department of Plant and Structures.
- New York Botanical Garden.
- New York Zoological Garden.

FOUR NEW GREENHOUSES REQUIRED

At the present rate at which we are adding to planting activities we need double our greenhouse space. The Head Gardener recommends that at least four new houses be built, 100'x20', in the rear of the present 100'x20' houses. This has been put in a formal request to the Board of Estimate and Apportionment for an issuance of Corporate Stock.

For the last three seasons we have used greenhouse space in the Botanical Garden, kindly loaned to us by the Botanical Society.

The Botanical Society, through its director, has been very generous in affording us this accommodation. We will have the benefit of it again during 1922, at some disadvantage to the Botanical Society's own work. It is doubtful if we can impose any further on the generosity of the Society in question.

One of the Botanical range of greenhouses that we used last year was the personal gift of Mr. Murry Guggenheim, at a cost of \$100,000. This particular house was of great value to this department during 1921. Mr. Guggenheim acquiesced most heartily in the temporary use of this house by the Park Department.

NURSERY RECOMMENDATIONS

The Nursery at Van Cortlandt Park is very much in need of a propagating greenhouse for stock purposes.

We have been indebted also to the Botanical Society for bench space in connection with our nursery development.

It is necessary, therefore, that we get more greenhouse accommodation in Bronx Park and more Nursery accommodation in Van Cortlandt Park. I have made application to the Board of Estimate and Apportionment for the necessary appropriation. There is need also for additional land for extension of our present nursery, as all the available space there is now in use.

It may be necessary to use as an annex that portion of the park now occupied as training stables by the National Guard, and a decision on this point must be made within a very short time.

FORESTATION

Evergreen plantations in Van Cortlandt and Pelham Bay Parks—some 125,000 trees—obtained principally from the Adirondacks through the State Conservation Commission, at small cost, and started during this administration, are now in a flourishing condition. This is the first plantation of its kind made in the city park system.

A good deal has been said in the newspapers about the necessity of reforestation in our parks, yet the fact remains that our forestation, as far as trees of the character in these plantations are concerned, namely, red and white pines, Norway spruce, Scotch pine and larch, was inaugurated in this department in 1918, to the extent that we have now several forests of magnificent young trees.

CARE OF TREES

It is estimated that there are more than a million trees on park lands in the Borough of The Bronx, of which thousands, large and small, require the removal of dead and dangerous branches, which are a menace to pedestrians and others. There are also, particularly in Van Cortlandt Park, old stumps in large number which should be removed.

Little has been done in this respect for the past eight years. The trees include red, white and yellow oak, red and white ash, elm, Norway, sugar and silver maple, poplar, black and white birch, hickory, horse chestnut, linden, pine, spruce, hemlock, tulip, beech and larch.

In the near future, I may ask for a special appropriation for the care of the park trees and removal of dead timber throughout the parks. The work would include cutting out all dead trees and branches, re-planting, spraying and providing for protection against fire, which is very prevalent during the spring and fall and which sometimes does most serious damage.

In addition to the park trees, this department takes care of all trees on city streets in the Borough. This requires the attention of a force of men and spraying equipment during the greater part of the year.

Many new linden trees will have to be planted in place of those destroyed by careless autoists at each side of the main road of the Concourse. The plantations in which the lindens are planted are now protected by curbs. The missing trees should be replaced so as to bring the appearance of the Concourse up to the standard originally contemplated.

VANDALISM

Vandalism in the parks cannot be checked until the Park Department has a force of keepers with police authority. Park protectors should be under control of Park Commissioners absolutely. Special knowledge of park administration, park features and park maintenance acquired by experience would make them more and more useful, and no good reason, nor in fact any reason, was ever given for abolishing the old park police. EVERY CITY IN THE UNITED STATES HAVING A LARGE PARK AREA HAS PARK POLICE, WITH THE EXCEPTION OF THE CITY OF NEW YORK.

It is said that there is more vandalism in the parks of New York City than in the parks of any other municipality of the United States. Nearby residents in some localities are indifferent to park destruction.

In the report of 1920, I referred to the splendid work and co-operation given to this department by a volunteer corps of inspectors whom I organized and who rendered service without compensation, inspired only by motives of good citizenship.

One of our inspectors, Rev. William R. Blackie, Pastor of the Woodlawn M. E. Church, on July 18th wrote as follows:

"Seldom a night passes but I am compelled to order automobiles out of the park. These people come into the park from 8.30 to 10.00 P. M., shut off their lights and you can readily imagine the things that follow. * * *

"These conditions are becoming too flagrant, and I am convinced that police control of the park would soon clean up the situation."

In this connection, at the instance of this department, the Park Board adopted an ordinance against automobiles loitering at night. Nevertheless, we had many complaints on this score.

Miss Winifred I. O'Rourke, public school teacher, has rendered the department valuable assistance in her own locality. Information she furnished as to park destruction was several times communicated to the police with good effects.

In the fall, shooting of squirrels and game in the remote sections of Pelham Bay Park was of frequent occurrence. In November, Auxiliary Inspector Blackie found two young men shooting with 22-calibre rifles and placed them under arrest. They were permitted to go after a warning, and the rifles taken from them.

A serious source of trouble was the building of fires promiscuously in outlying territory, one fire last season destroying young trees valued at \$2,000.

One of our watchful inspectors is Paul Lorch, Commander of Bronx Post 95, Veterans of Foreign Wars, and Lieutenant of the 15th Colored Infantry, N. Y. N. G. Mrs. Cree, a business woman, and Mr. James F. Keelon have been most active in the protection of Crotona Park Extension.

In the establishment of park keepers it would not be intended to conflict with the Police Department. Harmonious relations could be established between the police force and park keepers. A bill providing for park keepers passed the Legislature last year, but the financial condition of the city did not warrant its approval at that time.

ATHLETICS

The insistent demand for the development of athletics has been partially met by the satisfactory maintenance and perfection of our running tracks and athletic fields, and by the laying out of a new cross country course in Van Cortlandt Park, which was used for the first time in 1921.

The Metropolitan Association of the A. A. U. Junior and Senior Cross Country Championships were scheduled for April 24th and May 8th, both of these dates Sundays.

The New York Sabbath Committee protested against these Sunday events as being in violation of the section of the Penal Law that says:

"All shooting, hunting, playing, horse racing, gaming or other public sports, exercises or shows upon the first day of the week, and all noise unreasonably disturbing the peace of the day, are prohibited."

The police were requested to see that the games did not take place, and this department was notified accordingly.

The objectors' interpretation of the statute was not accepted by this department, and an opinion of the Corporation Counsel was requested. This opinion was against the objectors and the games were held before a large attendance without interruption on the Sundays named. The action of the

department in not yielding on demand was the subject of much popular approval.

A citizen wrote as follows:

"Your published statement in explanation of your refusal is answer so convincing that no grounds are left for criticism of your action. Affairs would have been at a sad pass if our young athletes had been denied the privilege of using the public park for the blameless and praiseworthy purpose of indulging in their pastime on Sunday, the only day of the week when relief from their struggle for a livelihood affords them opportunity for recreation."

A report in the *New York Times* said:

"When Secretary McMillen, of the New York Sabbath Committee, proffered his request that the metropolitan cross country championships be cancelled on the dates in question, Commissioner Hennessy refused and defended his action on the ground that no financial gain to the entrants was involved, that the events benefitted spectators as well as athletes by getting them out into the open air and that the Sunday dates enabled many runners to contend who would find it impossible, because of the demands of business to do so on week days. Furthermore, it was represented that the two races were to be conducted in such wise as to make a disturbance of the Sunday quiet impossible."

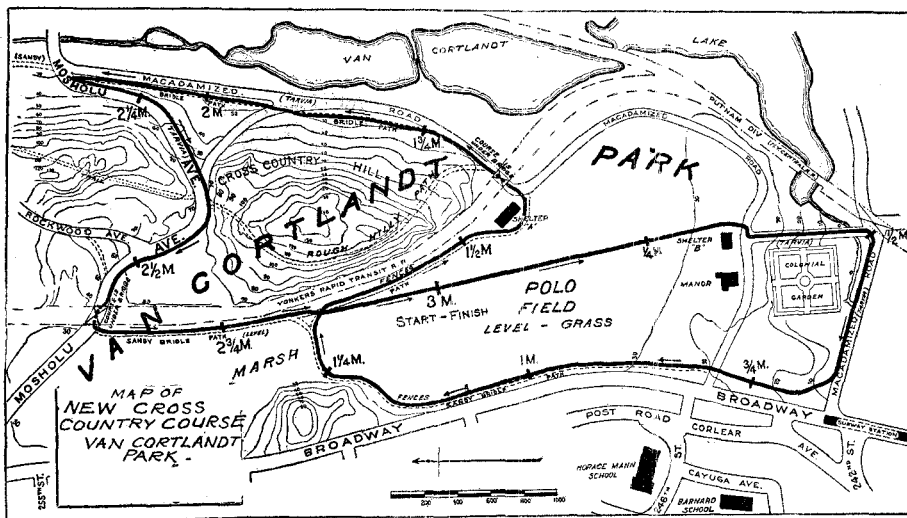


DIAGRAM OF NEW CROSS COUNTRY COURSE IN VAN CORTLANDT PARK

CROSS COUNTRY COURSE

This new course laid out in Van Cortlandt Park was used for the first time on November 5, 1921, and received the general approval of athletes.

The course is three miles long. Twice over the course makes the usual standard distance of six miles.

The start is in the middle of the former Polo field. The course continues in a straight line south for about $\frac{3}{8}$ of a mile; turning slightly to the

right, and thence to the left to a tarvia road along the east side of the Colonial Gardens, continuing along this road, making a sharp turn to the right at half-mile station to the main roadway leading to Broadway; near Broadway turning right on the grass, sharply up grade, passing the three-quarter-mile station to a bridle path; running north on bridle path along Broadway. At about a mile and an eighth, hurdle 25' wide and 4' high is encountered. Continuing along bridle path as it turns to the right along and paralleling the Yonkers R. T. Railway again crossing a hurdle 3' 6" high near the mile-and-a-half station; passing the comfort station to tarvia road, continuing along road under railroad bridge and along bridle path to Mosholu Avenue, making a sharp turn to the left at about $2\frac{1}{8}$ miles, and continuing along Mosholu Avenue up grade. Then down grade underneath railroad bridge beyond the $2\frac{1}{2}$ -mile station; turning sharply to the left along sandy bridle path another hurdle 3' high is encountered, and continuing and before completing half of the course and at the 3-mile station a hurdle 2' 6" high is encountered.

At least five of the six miles are run on grass, bridle or sod paths alongside of tarvia roads.

The first race (Junior Championship) of the Metropolitan Association, A. A. U., over the new course took place on Saturday, November 5, 1921. There were 60 competitors. Winner's time, 32 min., 23 sec.

The Senior Championship A. A. U. was held November 21st, with about 45 competitors, made up from representatives of athletic clubs. Winner's time 32.45.

The cross country runs in the spring were held over the old course, which is not as desirable as the new one, because it involved more or less interference with the golf links, and for the further reason that the contestants were out of sight from the starting point for a great portion of the distance.

ANNUAL "VARSITY" RACES

The Thirteenth Annual "Varsity" and the Second Annual Freshman Cross Country Run of the Intercollegiate Association of Amateur Athletes was held on November 21, 1921, over the new course. The "Varsity" 6-mile race was held with 89 runners and 13 teams representing various colleges. Winner's time, 32.20 $\frac{1}{2}$.

The 3-mile Freshman race, with 70 competitors, covered the full course. Winner's time, 16.03.

These events received much notice from the press and the most pronounced satisfaction was expressed by the large gathering of sightseers, as well as by the actual participants.

McCOMB'S DAM PARK

This track was used by the police athletes for training prior to their summer exhibition at Sheepshead Bay.

This park is as conveniently located for residents of Manhattan as of The Bronx. In suitable weather it can be used at night as well as day, being sufficiently provided with electric lights. Special attention has been paid to keeping this track, the fastest quarter-mile municipal track in America, in perfect condition. The stand seats about 500.

PELHAM BAY PARK

The big field at Pelham Bay Park was used for informal games for practically a week by the employees of the Third Avenue Railway System. Cricket is also played on this field.

SCHOOL GIRL ATHLETES

The annual gathering of the Girls' Branch, Public Schools Athletic League, was held, as usual, on the grounds of Fordham University, because these grounds are enclosed. This department aided by supplying benches, platform, etc.

The President of the League wrote as follows :

"I wish to express to you personally, our great appreciation of the interest you have manifested in our work, even under pressing circumstances such as were involved by the date of the Fete following a holiday in which the services of your Department were in such demand."

BASEBALL

The thirty-three baseball diamonds in the various parks were in great demand. Four hundred and sixty-nine permits were issued. In the early summer the big parade ground at Van Cortlandt presented a most picturesque scene on Sundays and holidays. The players covered the big field, which they practically had exclusively to themselves.

Cricket is also played on this field.

It is proposed during the coming season to provide one or two extra baseball diamonds in Pelham Bay Park, within easy reach of the subway.

Strong influence was brought to bear to have the small neighborhood park known as St. James Park turned into a baseball field. Instead a playground, with miniature equipment for little tots, was installed to the delight of many mothers and children. To use the small park for baseball would mean simply to deprive mothers and children of a place of rest and recreation.

A prominent nearby citizen wrote as follows :

"I wish to thank you and congratulate you on the stand you have taken in refusing to have St. James Park turned into a baseball ground. Your position in this respect is absolutely sound, it seems to me. This park should be kept for the use of the residents of that neighborhood, especially the women and children. If baseball should be permitted there, the park would be absolutely ruined for such purposes."

A nearby resident wrote:

"I notice with pleasure that you have placed some excellent children's playground apparatus in St. James Park. If you had seen the swarms of youngsters using it yesterday, you would have been delighted at the results of a good job well done."

GOLF

The three golf courses were intensively used. The attendance was unprecedented. Notwithstanding the congestion that prevailed at Van Cortlandt Park on Sundays and holidays, general satisfaction was expressed at the excellent upkeep of the golf links.

Persons whose business takes them throughout the country, frequently declared that the Bronx Park Department golf courses were unexcelled by any municipal golf courses in the United States.

The entire receipts from golf for 1921, including lockers, were \$69,595. Next year the receipts will be substantially greater, because it was decided to increase the season fee from \$5 to \$10. An additional fee for locker use will also be charged.

The Bronx Park Department is being constantly applied to for information as to its golf courses and the manner in which they are conducted.

As to the condition of the golf courses, the following resolution, as adopted by the Strykers Lane Community Center, 554 West 53rd Street, New York City, is typical of other communications received upon the same subject:

"At a meeting of the Board of Directors of the Gun Hill Golf Club, Inc., held May 7, 1921, the following resolution was unanimously adopted:

Resolved, That the members of the Gun Hill Golf Club, Inc., wish to thank the Commissioner of Parks, Borough of Bronx, New York City, for the work done on the Mosholu Golf Course during the last year and to express our appreciation of the improvements and care which Mr. Murphy and the men under his supervision have accomplished.

The Secretary is instructed to forward a copy of this Resolution to the Commissioner of Parks, Borough of The Bronx, New York City."

After a tournament early in the season the New York Newspaper Golf Club wrote:

"Everybody was very pleased and very happy and wishes to commend the Bronx Park Department for the fine condition of the fairway and putting greens for so early in the season."

A golf player wrote:

"Allow me to compliment you on the splendid system now in effect at both courses at Van Cortlandt, everything seems to be working so very satisfactorily with both players and the employees, no kicks from anybody as far as I know, and I think I should be capable of judging, after playing the ancient and royal game on the foregoing links since 1901; during this long period, I have moved to other courses, but my stay was never very long; I was always glad to return to 'my first love,' dear old Van Cortlandt."

As to the conduct of our employees, a member of the editorial staff of a morning paper wrote, concerning some alleged dissatisfaction that existed, as follows:

"Please allow me to say, without promptings from the men themselves, but in justice to them, that I personally have been playing golf at Van Cortlandt off and on for nearly three years; that I know all of these men personally, and have never at any time received from them anything but the most courteous and proper treatment, without the slightest suggestion of petty graft or a desire for petty graft on their part, and I have never observed, in their treatment of others, anything but what was proper and right."

TENNIS

Tennis was played on 88 courts.

A special permit system, introduced in 1918, has worked most satisfactorily. It automatically regulates the use of the courts, preventing their monopoly by groups who formerly got permits without number when permits were free. The season charge of one dollar amounted in 1921 to \$2,684.

SKATING

Last year, on account of the open winter, there was practically no skating. Ordinarily, skating is a great attraction at Van Cortlandt Park, the Indian Lake in Crotona Park, and elsewhere.

MUSIC

The concerts during the season were well attended.

Poe Park, where concert music was introduced in 1918, has proved the most popular place for concerts. I have submitted a request for an appropriation for a music stand for this park. There should be better financial provision made for music.

The bands consist generally of only 14 men and leader. Of course, it is impossible under these circumstances to meet the highest expectations of music lovers. Two notable events (Mayor Hylan's People's Concerts) were those of the Columbia University Band of sixty pieces, Edwin Franko Goldman, conductor, given in Poe Park. City Chamberlain Berolzheimer took special interest in these two concerts.

The New York *Evening Globe* gave four open-air evening concerts in Poe Park under the immediate direction of Charles D. Isaacson on the following dates: July 16th, July 30th, August 13th and August 27th. Thirty eminent soloists performed at these concerts and helped to further the propaganda for good music.

There were also other musical events.

A fact that appears to be well established is that night concerts are preferable to day concerts. So far as practicable, night concerts were given.

MEMORIAL TREE GUARDS AND TABLETS ON GRAND BOULEVARD AND CONCOURSE

Acting upon the suggestion of the American Legion, this department applied to the Board of Aldermen for an issue of Special Revenue Bond Funds in the sum of \$14,710, for the purpose of erecting tree guards and memorial tablets in honor of the men of The Bronx who had made the supreme sacrifice during the World War.

The Board of Aldermen adopted an appropriate resolution, December 21, 1920, requesting the Board of Estimate and Apportionment to issue the bonds, and on December 30, 1920, the Board of Estimate and Apportionment authorized the issue.

Under a contract for constructing and erecting tree guards and placing bronze memorial tablets, 997 tree guards were furnished and erected and 912 bronze memorial tablets were erected at a cost of \$11,240.60.

Under terms of this contract, tree guards of an appropriate design and durable material were constructed and erected on the Concourse, and bronze memorial tablets, furnished by the American Legion, were attached to the guards.

The Commander of the American Legion, among others, complimented the department on the way in which the work was done. He wrote as follows:

"I cannot find words to express the sentiment that was voiced so freely yesterday by the American Legion and the Gold Star Mothers in regard to the great work done by you and your associates in helping us to commemorate our dead. The Concourse was a credit to you; the trees were beautiful; the gift of flowers contributed was and will be cherished by all of us. Your untiring efforts to have as many tree guards in place as possible will not be forgotten.

Allow me to present to you personally the thanks of the American Legion and Gold Star Mothers. With assurances of my own sincere appreciation, I beg to remain, * * *

It was proposed to have all the tree guards in place for Memorial Day, but this was impossible, owing to the lateness of the final award of contract. It did not interfere otherwise, however, with the arrangements made, and on Memorial Day the Concourse, on either side, stretching for its entire length, —4 1/6 miles, was a beautiful vista of floral emblems.

Although the work was not actually started as early as intended, it was done rapidly and well, and forms a dignified memorial to the fallen heroes of The Bronx.

In addition to the tree guards and tablets provided by the above contract, 53 tree guards were furnished and erected in place under an open market order.

PATROL BOATS

The necessity for patrol along the twenty miles of waterfront of Pelham Bay and the waters nearby has been getting more and more evident.

Finding the waterfront exposed and without protection, boat parties land, and are in the habit of doing practically as they please.

To accomplish something in the way of protection, both along the shore front generally, and at the beaches, this department succeeded in securing the temporary use of two motor launches, 24 feet long, 8 foot beam, for such service. These two boats did splendid work during the summer season in the protection of park property, and in the saving of lives.

In a heavy storm that occurred on Sunday, August 8, Captain Charles L. Pierson, of the Park Department Patrol reported that he put out from Orchard Beach, and rescued eleven persons in two row-boats.

On the previous day, Saturday, one of the park patrol boats found a canoe with two women aboard, driven ashore at Pelham Bay Park by the heavy south wind. The women and canoe were taken back to their camp. On returning, the patrol boat picked up a 20-foot launch, adrift near the Cuban Reef, and took her into Eastchester Bay, to await claim of owner.

Another report from the patrol boats said:

"I saw a 50-foot yacht in distress on the northeast end of Hart's Island. I put out from Hunter Island, and towed her into the shipyard at City Island. She was bound from New London to New York City; her engine broke down. She had a crew of three.

"A 20-foot launch in distress was picked up the same day."

Another report reads:

"On Sunday, September 11, 1921, at 11.15 A. M., picked up a row-boat in a wind storm, near Chimney Sweeps Rocks. In the boat was Mr. Bela Palagyi, his wife, two men and another woman. I took them aboard the patrol boat No. 2, and set them ashore at Rosenberg's Boat House, City Island."

One of the notable things accomplished by this boat was the rescue of two boys who went off in a canoe on July 2nd, from the camp at Orchard Beach. They had no particular destination in view when they started, and left their parents with the understanding that they were to return on July 4th.

When they failed to return on the 5th, the boys' mothers appealed to the Park Department to send one of its motor boats to search for them, and the boys finally were discovered, half famished, stranded on the beach at Mattinick Point, Long Island. They had been unable to return on account of the local storm and east wind.

The following are sample reports for Patrol Boat No. 1:

May 28—Patrolled Eastchester Creek and found nine tents at Bal-last Point; also three tents on Goose Island and ordered them down. Patrolled around Hunter Island and found three tents there and put them down; also two tents on Cat Brier Island and put them down.

May 30—Put one tent down on Hunter Island; patrolled all park property from Eastchester Creek to Hunter Island. On the way in, about 6.15 P. M., picked up a man in an overturned canoe near the Government Dock. Took the man and canoe aboard and put him and canoe on land. He would not give name.

June 3—Patrolled all park property. About 7 P. M. picked up a 30-foot launch adrift between R. R. Bridge and Pelham Bridge. Brought her in and anchored same. Number of launch was 4048.

Police Inspector Liebers, in charge of Pelham Bay territory, was notified of acquisition of the boats to the service of the Department, and he in turn notified Inspector Hallock, in charge of the Police Marine Division, who offered his co-operation in every way towards making this service efficient.

He wrote:

"I am more than pleased to learn that your Department has acquired the patrol boat, for the reason that our boats are continually busy on police work, and we have been unable to give the amount of attention to the protection of park property that borders on Pelham Bay Park, which I know we should, and which is necessary."

He also offered the use when required, of the Police Department repair plant and Marine Railway at Randalls Island.

The following appeared in a local newspaper, under date of June 26th:

"All the functions of a Coast Guard are included in the daily routine of the boat patrol of the Bronx Park Department, the only department of its kind in the country with this addition.

Operating only three weeks the boat patrol has achieved results which surpass the anticipations of the department heads. In this short period the department has removed nuisances which were the source of extreme vexation to the public and the officials who sought vainly to eliminate them with the old machinery of its office.

The cardinal consideration in the establishment of the boat patrol was to provide moral supervision in sparsely settled camps among the smaller islands in Pelham Bay Park and Eastchester Bay. Numberless complaints were received by the Commissioner's office from citizens who were outraged by practices on the islands which were virtually without any control.

After repeated but vain efforts by Commissioner Hennessy to get an appropriation for a boat patrol, he sent in a request to the Navy Department for two boats. The answer was the immediate delivery of two 24-foot broad beam boats. They were delivered last summer but too late in the season to establish a patrol.

When the park and boating season opened a few weeks ago the boats were made ready for duty and the short time they have operated since, their skippers have collected a most interesting, but trying variety of duties.

Saving human life, restoring boats adrift to their owners, righting overturned boats, patrolling park property, responding to emergency calls for help, watching bathers and boaters, keeping a vigilant eye over campers to see that they observe all park regulations, removing violations, summoning violators; all these do not exhaust the list. * * *

With little or no police supervision, the Park Department faced its most serious obstacle in patrolling the camping grounds, particularly on the smaller islands. Its new policy since the boats have been put in service is to restrict the campers to the use of only those points which

are subject to direct policing. In this manner the department believes it has eliminated bad conditions.

Twenty miles of waterfront are patrolled each day by the boats. This takes in the shore lines of Pelham Bay and Eastchester Bay."

ISAAC L. RICE MEMORIAL

The construction of the Isaac L. Rice Memorial in Pelham Bay Park was well advanced.

The beach nearby was improved by this department and \$300,000 city funds have been authorized for the completion of the drainage, water supply, road and path system, and installation of electric light, in connection with the Rice Stadium, and its accessories under the agreement between the Isaac L. Rice Memorial Foundation and the City of New York.

PELHAM BAY PARK

Pelham Bay Park contributed its quota to the history of colonial and revolutionary times.

Split Rock Road now passes the site of the cabin in which Ann Hutchinson settled in 1642. The cabin was situated near the split rock which gives the road its name. In the same year, her home was burned by Indians and she and all but one of her family were killed.

On the old Bartow place, opposite the point where Split Rock Road meets the Eastern Boulevard, is an old burial place of the Pell family. The oldest gravestone is thus inscribed—

"HER LYES ISEC PELL D. DEC. 14, ANNO 1748"

Nearby is located the spot where tradition states that Thomas Pell, the original proprietor, bought the surrounding land from the Indian sachems. It is marked by a fence which was built around the "Pell Oak." The tree has been destroyed, but the fence still stands.

Glover's Rock on City Island Road marks the scene of a battle between Howe's British forces and Col. Glover of the Revolutionary forces in October, 1776.

VAN CORTLANDT PARK

The Colonial Mansion, erected in 1748 by Frederick Van Cortlandt, was the center of various campaigns during the Revolution. At one time it was used as headquarters for the Hessians who, in conjunction with the British, forced Washington's troops to retire toward White Plains.

The Van Cortlandt family burial vault near the Vault Hill Road was also built by Frederick Van Cortlandt and he was buried there. This vault is also said to have been used by Augustus Van Cortlandt, Clerk of the City of New York as a hiding place for valuable records at the time of the Revolution, and they escaped the search of the British troops. Another historical spot is an old burying ground on the shore of the lake east of the Mansion.

The Colonial Dames now have custody of the Mansion, and it is used as a museum of Colonial and Revolutionary relics.

POE PARK

Poe Park, dedicated to the memory of Edgar Allen Poe, whose poem "The Raven" is a classic of American literature and whose prose tales are masterpieces of exotic genius, is now one of the most popular of our small parks.

The cottage in which Poe lived during the period between 1846-49, was moved from its old site on the east side of Kingsbridge Road about opposite the centre of the present park, and placed in the northerly end of the park in 1913. The Bronx Society of Arts and Sciences has reverently collected, and carefully guards, the few remaining mementoes of his life in old Fordham. This department maintains the quaint old house. It attracts more and more attention.

Reginald Pelham Bolton, a member of the New York Historical Society, and a member of the Bronx Society of Arts and Sciences, takes a deep interest in the Poe Cottage and has just issued an up-to-date history of the former residence of the great American poet. This history gives a good pictorial representation of the interior of the cottage.

In speaking of the generosity of Mrs. Charles D. Dickey, Chairman of the Committee, and of Mrs. John J. Chapman, in restoring the interior of the house, Mr. Bolton says:

"Five layers of paint were found upon the woodwork, and as many layers of modern paper were removed from the walls, revealing below them faint traces of colored lime wash upon the plastered surfaces. The earliest color scheme, which doubtless was of the period of the poet's tenancy, has now been restored, and with the original floor surfaces exposed, the interior presents again the appearance which rendered the rooms, in spite of their humble character, so refined and attractive to the poet's visitors."

JOSEPH RODMAN DRAKE PARK

Joseph Rodman Drake Park contains the grave of Joseph Rodman Drake who will be gratefully remembered for his poems, "The Culprit Fay," ode to "The American Flag" and "Bronx."

In the little cemetery plot are also buried members of the Hunt family who gave their name to the surrounding territory known as Hunts Point.

WELFARE

During the past year, a Welfare organization was effected with a committee to keep track of employees sick or otherwise in distress, and also particularly with a view of having prompt medical attention rendered where necessary.

This organization came into being in consequence of the death of one of our mechanics whose life possibly might have been spared had he had medical attention in time. He was stricken with pneumonia and although a physician was sent for by his family, the physician did not respond until some ten hours later. If we had had notice of this, a physician could have been obtained and possibly the life of the stricken employee saved.

It is now a standing order that in every case of an employee sick more than a day, the foreman must keep in touch with the family to find out real conditions and report to the committee and the committee to the Commissioner. When employees have been taken to a hospital, their condition has been watched and such assistance rendered as possible.

Furthermore, instructions have been issued that in extreme weather, no employee shall be unduly exposed.

SAVING CHILDREN FROM TUBERCULOSIS

In 1920, a branch of the New York Tuberculosis Association was organized in the Borough of The Bronx, to aid in fighting tuberculosis.

The Park Department again consented to the use of the old Hunter Mansion in Pelham Bay Park for children of tubercular parents during the summer months.

The location was ideal. Playground equipment was provided and from thirty to forty children were daily taken to the Hunter Island house, where they had a good outdoor time and were fed under proper supervision by the local committee. A play leader took charge of the children outdoors. Daily observations were made of the condition of the children through the co-operation of the Health Department.

The close of the season was marked by a gathering of those interested in the saving of the children. It was a source of congratulation that the effort mentioned herein had been most successful. The children themselves especially prepared an entertainment which contributed to the pleasure of the occasion.

Every child without exception was shown to improve wonderfully by the treatment afforded.

STATEMENT OF DEPARTMENTAL REVENUE

The revenue of this department from 1914 to 1921 is set forth in detail in the following table:

PERMITS, PRIVILEGES, RENTS, ETC.

	1914	1915	1916	1917	1918	1919	1920	1921
Privileges	\$15,385.56	\$20,828.20	\$21,897.75	\$22,090.47	\$25,359.48	\$27,304.51	\$27,059.11	\$26,778.52
Rents	2,186.50	1,096.00	709.00	769.00	1,368.50	1,085.50	1,180.50	1,597.00
Golf Season	6,073.00	7,327.00	8,340.00	8,030.00	22,527.00	26,815.00	35,815.00	49,410.00
Golf Daily	1,600.00	1,440.50	1,440.50	1,323.00	3,699.00	6,114.00	11,379.00	15,475.00
Lockers, Golf	3,961.25	3,052.05	4,318.13	4,172.50	4,182.50	4,700.00	4,680.00	4,710.00
Tennis					1,561.00	1,505.00	2,098.00	2,684.00
Camp Sites	1,813.00	2,016.00	2,184.00	3,050.00	4,670.00	6,200.00	7,120.00	8,590.00
Bathing Lockers					14,536.60	12,981.60	16,907.80	26,288.40
Camp Floor to remain					1,330.00	2,630.00	3,210.00	4,050.00
Motion Pictures	440.00	273.00	118.00	497.50	45.00	156.00	105.00	153.00
Parking Permits					495.00	125.00		
Sales	460.11	62.60			95.00	1,294.21	110.00	50.00
Miscellaneous	5.65	1,853.33	7.80	50.00	111.50	116.79	112.60	112.50
	\$31,925.07	\$37,948.68	\$39,015.18	\$39,982.47	\$79,980.58	\$91,027.61	\$109,777.01	\$139,898.42
Grand Total—Four years ending 1921							\$420,683.62	
Grand Total—Four years ending 1917							148,871.40	
							\$271,812.22	

BUDGET APPROPRIATIONS

Year—1917	\$423,120.70
1918	481,699.60
1919	500,890.09
1920	654,416.58
1921	802,601.25
1922	760,194.50

Increase of appropriations due solely to increase of wages and cost of material etc.
 Allowing for this apparent increase, the Budget Allowance for 1921 is little more than it was in 1918, taking into consideration the 20 % increase.
 In addition to the above, the Department has expended out of corporate stock allowance about one-half million dollars in the past four years in repaving parkways and boulevards.

A comparison of these four-year summaries shows an increase in total receipts of \$271,812.22, due principally to the increase in golf and camp site fees, and the establishment of fees for bathing lockers, tennis, and the storing of camp floors at Orchard Beach.

Notwithstanding the fact that the fee for yearly golf permits was increased from \$1 to \$5, the returns show that 9,882 yearly permits were issued in 1921, while in 1917, at the \$1 fee, 8,030 were issued.

15,475 daily permits at \$1 were issued in 1921, and in 1917, only 2,646, at 50 cents were issued. This clearly shows the popularity of golf in this borough, and emphasizes the fact that the fees are considered reasonable by the golfers.

A steady increase is also shown in receipts from camp sites, floor storage permits, and the use of bathing lockers.

An analysis of the above shown receipts should warrant favorable consideration for applications for funds for the further development and improvement of golf links and bathing beaches, which this department has in mind for the near future.

NEW SOURCES OF REVENUE

A charge of ten cents for bathing lockers was introduced in 1918. It was a proper regulatory measure as formerly the crowds seeking the privilege of

free bathing were most difficult to control and the opportunity for petty graft was ever present. These charges not only corrected the situation in its worst aspects, but has given to the city receipts of \$70,714.40 for the past four years.

This money does not represent the total number of those who had the use of the bathing houses, for the reason that many charitable institutions requested their use without charge for their inmates or dependents.

GOLF FEES

In 1918 the season golf fee was increased from \$1 to \$5 with but trifling opposition. One of the arguments against the increased charges is that it would operate against boys' use of the golf course, but this is not a substantial objection because golf is not a boy's game. Boys have baseball and other sports to find recreation in.

The total receipts from golf for 1917 were \$13,525.50, and for 1921, \$69,595. The 1922 season fee will be \$10. This will add materially to the total of golf receipts next year. An effort has been made to manufacture opposition to this charge, but the effort has noticeably failed as far as reflecting the opinions of the great majority of those who use the golf courses.

CAMP SITE FEES

The fee was increased from \$10 to \$20 for the season, with \$25 for outside sites and an additional charge of \$10 for permitting under-structures to remain during the winter.

The receipts from camp sites in 1917 were \$3,050, and in 1921, \$12,640.

TENNIS AND OTHER FEES

To regulate tennis playing, a nominal charge of \$1 for the season was inaugurated in 1918. From this source during the past four years, \$7,848 has been obtained.

The receipts last year were \$2,684.

The receipts from privileges and rents in 1917 were \$22,859.47, and in 1921, \$28,375.52.

THE GRAND TOTAL RECEIPTS FOR THE FOUR YEARS ENDED 1917, INCLUDING MINOR FEES NOT ABOVE MENTIONED WERE \$148,871.40; THE GRAND TOTAL RECEIPTS FOR THE FOUR YEARS ENDED DECEMBER 31, 1921, WERE \$420,818.62.

MISCELLANEOUS ACTIVITIES

This department supplied during the year, at various times, hospitals and other public institutions with decorative plants.

The department furnished stands and benches frequently for various public events; at times, at great inconvenience to itself, but there seems an impression that is hard to extinguish that whenever there is a public affair in this borough, the Park Department may be depended upon to contribute to it in the erection of stands, supply of seats and otherwise.

SURVEYS

Surveys were made by the Engineering Bureau as follows:

- Mosholu Links: for location of trees and greens.
- Boston Road,
in Bronx Park: for preliminary estimate for repaving contracts;
for construction work on repaving contract;
for partial and final estimates;
survey, inspection and tests of flooring, trusses and abutments of bridge over Bronx River.
- Mosholu Parkway: for location and preliminary estimates for paths;
for construction work, partial and final estimates for paths.
- Clason Point Park: for proposed improvement and location of property lines.
- Bronx and Pelham
Parkway: for preliminary and final estimate of repairs to southerly roadway;
for preliminary estimate for repaving main roadway from the bridge over N. Y., N. H. & H. R. R. to a point 600 feet west of Williamsbridge Road.
- Van Cortlandt Park: for preliminary estimate and plans for paving entrance road at Broadway opposite Spuyten Duyvil Parkway.
- Pelham Bay Park: for preliminary estimate, for construction work, for progress and final estimates on contract for removing rock and improving beach at Athletic Field;
for location of new camp sites, proposed comfort station, and drainage at Orchard Beach;
Survey, inspection and tests of timbers, flooring and piles of bridge from Mainland to Hunter Island;
for estimate for improving roads and bridge on Hunter Island;

for location of road approach from Eastern Boulevard to Ogden House grounds;

for location of Irrigating System, Pelham Bay Park Golf Links;

for preliminary estimate for construction work, and for progress and final estimates on contract for repaving Eastern Boulevard from Bronx and Pelham Parkway to Westchester Avenue;

for construction of gutters on Eastern Boulevard and Bronx and Pelham Parkway.

Franz Sigel Park: for location and grading of fill at southeast corner of park.

Crotona Park: for installation of lighting system.

McComb's Dam

Park: for disposition of drainage and fill;

for location of property lines and encroachments at Doughty Street.

Park at Whitlock Ave. & 163rd St.: for improvement.

Melrose Park: for reconstructing sidewalks, fencing, etc.

Surveys were also made in various parks for reference in accident cases and for improvements and repairs made by maintenance forces.

Estimates of funds necessary for installing, drainage, water supply, roads and paths in the Rice Memorial reservation in Pelham Bay Park referred to elsewhere were made and application for funds, based upon these estimates was sent to the Board of Estimate and Apportionment.

Photographs of work under construction in various parks, and of sites subject to improvement were taken where necessary.

The following plans, specifications and contracts were prepared:

For reconstruction of Central Dome of Conservatory Range No. 1, New York Botanical Garden.

For repaving with heavy traffic sheet asphalt and asphaltic concrete, the roadway of Boston Road from E. 182nd Street to Bronx Park East.

For constructing path on Mosholu Parkway from Webster to Jerome Avenue.

For repairing asphalt block pavement on southerly roadway of Bronx and Pelham Parkway.

For repaving with heavy traffic asphalt on concrete foundation, the main roadway of Bronx and Pelham Parkway from the westerly side of bridge over the tracks of the N. Y., N. H. & H. R. R. to a point approximately 600 feet west of Williamsbridge Road.

For paving roadway entrance to Van Cortlandt Park at Broadway and Spuyten Duyvil Parkway.

For improving bathing beach at Athletic Field in Pelham Bay Park.

For the erection and completion of a Comfort Station, including plumbing, drainage and water supply, for furnishing, delivering and spreading sand at Orchard Beach, in Pelham Bay Park.

For repaving the Eastern Boulevard from Bronx and Pelham Parkway to Westchester Avenue, in Pelham Bay Park.

For constructing sidewalk and molding curb, removing rock and grading slopes at Mott Avenue and 153rd Street, in Franz Sigel Park.

For erecting in place Tree Guards and Memorial Tablets on Grand Concourse.

Contract Construction work completed during 1921:

Furnishing and erecting in place tree guards and memorial tablets on Grand Concourse.

Reconstructing the Central Dome of Conservatory Range No. 1, in the New York Botanical Garden, in Bronx Park.

Repairing the asphalt block pavement and concrete foundation of the southerly roadway of Bronx and Pelham Parkway.

Repaving Eastern Boulevard from Bronx and Pelham Parkway, to Westchester Avenue, in Pelham Bay Park.

Improvement of bathing beach at Athletic Field, in Pelham Bay Park.

Repaving with heavy traffic sheet asphalt and asphaltic concrete, the roadway of Boston Road from East 182nd Street to Bronx Park East.

Installing a complete electric lighting system, including fixtures, in the Administration Building, Claremont Park.

Contract pending Court decision.

Repaving main roadway of Bronx and Pelham Parkway, from Bridge over N. Y., N. H. & H. R. R. to a point approximately 600 feet west of Williamsbridge Road.

On account of alleged irregularity the award by the Park Board was not recognized as such by the Comptroller.

The contractor instituted mandamus proceedings, against the Comptroller. The Court, at Special Term, sustained the award. The Comptroller appealed.

Pending a decision upon the appeal, no work can be done upon the contract, which means that an important stretch of Pelham Parkway which could

have been completed early in the fall of 1921, will not be completed perhaps until the fall of 1922.

There was no substantial reason for the objection made herein. The contractor was the lowest bidder by \$9,482.50.

Applications for permits, for erection of poles and wires for lighting and telephone service were investigated and reported upon; other applications for permits handled, included those for plumbers' openings, for passage of steam shovels, road rollers, etc., over park roads.

All supplies delivered in boat loads were measured.

Coal deliveries were weighed at points of loading.

The Engineering Bureau collaborated with the Superintendent's and Chief Clerk's Bureaus in estimating supply and equipment requirements, prepared requirement data on Board of Purchase forms, and prepared progress and partial payment vouchers for approximately 100 supply contracts.

Estimates were made for various improvements for which Corporate Stock funds were to be requested early in 1922.

The Engineering Bureau also prepared Corporate Stock labor schedules in connection with the adjustment of gutters along newly paved roads in Eastern Boulevard and Bronx and Pelham Parkway, and for the completion of road in the easterly portion of the Botanical Garden, in Bronx Park.

PAVEMENTS

It has been the purpose of this department to build a chain of perfect roads throughout the system, and with this aim in view, it has replaced worn stretches of old telford macadam pavements on the main roads with sheet asphalt, asphalt block and asphaltic concrete pavements on Portland cement concrete base.

This work was started under a contract for repaving City Island Road with asphaltic concrete, completed in August, 1915, and no repairs have yet been necessary, even though the roadway was subjected to unprecedented traffic during the period of the construction and maintenance of the U. S. Naval Cantonment in Pelham Bay Park.

The repavement of Bronx and Pelham Parkway, from Butler Street to White Plains Road, with asphaltic concrete followed, being completed late in the Fall of 1916.

The repavement of Eastern Boulevard, from a point 400 feet north of Split Rock Road, to the northern boundary of Pelham Bay Park, with heavy traffic sheet asphalt and asphalt blocks on concrete foundation was next. It was completed in July, 1917, and has given perfect satisfaction to date.

Then followed repavement of the main roadway of Bronx and Pelham Parkway from Southern Boulevard to Butler Street, and the south roadway

of the Parkway from Butler Street to Boston Road with heavy traffic sheet asphalt on concrete base, completed in late fall of 1918; repavement of Bronx and Pelham Parkway, from the east side of bridge over R. R. to Eastern Boulevard, with heavy traffic sheet asphalt on concrete foundation, completed in September, 1920; repavement of Eastern Boulevard from Bronx and Pelham Parkway, to south approach of bridge over Eastchester Bay in Pelham Bay Park, with heavy traffic sheet asphalt and asphalt blocks on concrete foundation, completed in September, 1920; repavement with heavy traffic sheet asphalt and asphalt blocks on concrete foundation of Eastern Boulevard from north approach of bridge over Eastchester Bay, to 400 feet north of Split Rock Road in Pelham Bay Park, completed in November, 1920, and repavement of centre roadway of Bronx and Pelham Parkway, between Old White Plains Road and Boston Road, with heavy traffic sheet asphalt on concrete foundation, completed in December, 1920.

The above history shows the progression of the good roads movement in the park system up to 1921, and its further development is shown by the following list of

Repavement Operations in 1921.

Repairing 1,665.61 sq. yds. asphalt block pavement and concrete foundation on the southerly roadway of Bronx and Pelham Parkway from White Plains Road to bridge over tracks of N. Y., N. H. & H. R. R. has put the roadway in perfect condition, and it should last for many years without further maintenance costs.

Repaving 6,398.78 sq. yds. Eastern Boulevard from Bronx and Pelham Parkway to Westchester Avenue, in Pelham Bay Park with a surface of heavy traffic sheet asphalt applied on an old telford base, which was sound and serviceable when the old macadam top surface was removed.

Repaving 15,854.98 sq. yds. of Boston Road from East 182nd Street to Bronx Park East, with heavy traffic sheet asphalt and asphaltic concrete on Portland cement concrete foundation; the old telford macadam pavement, although repaired many times during the last ten years was inadequate for the heavy traffic to which it was subjected, and was a constant source of danger and complaint. The new pavement provides a safe and practical roadway through one of the most picturesque portions of our park system.

Area of new road pavement, laid in 1921—22,253.76 sq. yds.

Cost " " " " 1921—\$72,979.38.

Area of road pavement repaired under contract—1921—1,665.61 sq. yds.

Cost " " " " " —1921—\$8,245.33

The repaving of the main roadway of Bronx and Pelham Parkway from bridge over N. Y., N. H. & H. R. R. to a point 600 feet west of Williamsbridge Road, and of that portion of the Parkway lying between Boston Road,

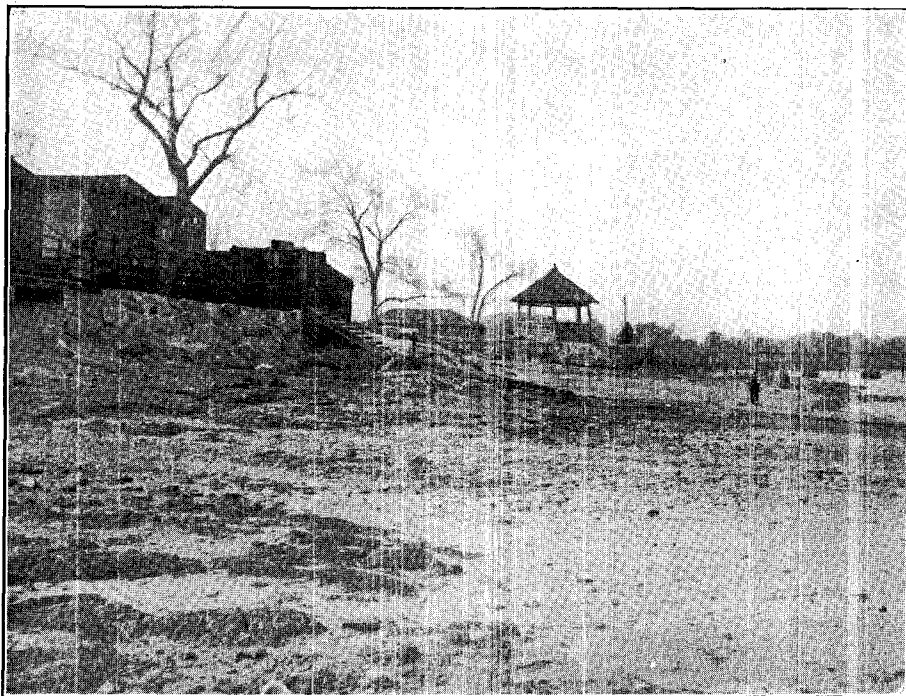
and a point 600 feet west of Williamsbridge Road, funds for which have been requested in 1922, will make available a continuous stretch of perfect roadway, starting at Southern Boulevard and Bronx and Pelham Parkway, or at Boston Road and East 182nd Street, and terminating at the northern boundary of Pelham Bay Park, a distance of 7.6 miles from Southern Boulevard, and 7.76 miles from East 182nd Street.

The total actual distance repaved, including City Island Road, is 9.85 miles.

MOSHOLU PARKWAY

Construction of a 3,600 foot path in Mosholu Parkway from Webster to Jerome Avenue, with an area of 4,839.54 sq. yds. was completed.

Up to this year the pedestrians on Mosholu Parkway were compelled to go either upon the lawns or take the risk of walking in the way of automobiles. To obviate these conditions, this path was constructed parallel and close to the easterly side of the easterly driveway of Mosholu Parkway. It is constructed of water-bound macadam and furnishes an adequate and safe promenade, approximately 12 feet wide, for the use of pedestrians; connecting with the easterly sidewalk of the bridge over Webster Avenue, and extending to the bridge which carries Jerome Avenue over the Parkway.



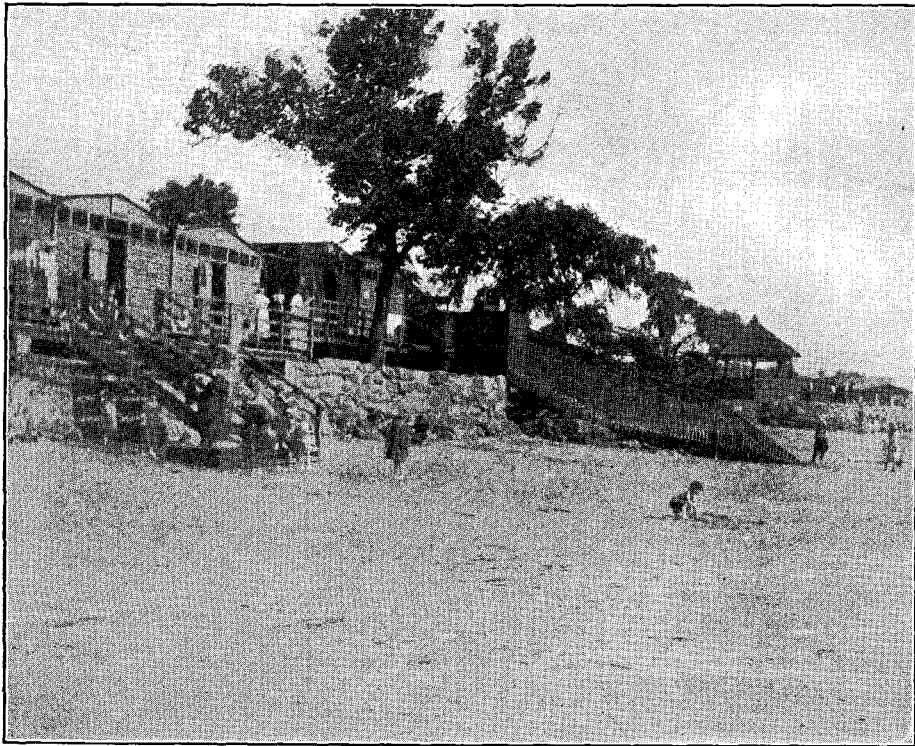
BATHING BEACH AT ATHLETIC FIELD, PELHAM BAY PARK, BEFORE IMPROVEMENT

Improvement of Bathing Beach at Athletic Field, in Pelham Bay Park.

The work consisted of the blasting and removal of 266 cu. yds. of ledge rock which projected above the sand beach, between the lines of high and low water, and above highwater line, making the beach unfit for use of bathers. Work upon this contract was started during the bathing season, but the contractor, by taking advantage of night tides, and by the exercise of the utmost care in his operations during the day, completed his work without accident or damage, and without any hindrance to the bathing.

When the rock was removed, 1,200 cu. yds. of sand were spread, and a splendid smooth beach was made available, extending from the Huntington wall, past the bathhouses, for a distance of approximately 300 feet. This was a very necessary and popular improvement, as an attendance of several thousand bathers during one day will attest.

Accompanying photos of the Athletic Field beach, taken before and after completion of the above work show its necessity and the results accomplished.



BATHING BEACH AT ATHLETIC FIELD, PELHAM BAY PARK, AFTER IMPROVEMENT

Improvement of Orchard Beach, in Pelham Bay Park

Furnishing, delivering and spreading 805 cu. yds. sand at Orchard Beach, in Pelham Bay Park.

The sand provided was spread upon the beach in the vicinity of Orchard Beach bathhouses, filling ruts and holes caused by the action of tides and storms, and providing a safe footing for bathers.

Reconstructing Central Dome of Conservatory Range No. 1 in the New York Botanical Garden in Bronx Park.

The work consisted of removing the glass and old cypress rafters in the central dome of Conservatory Range No. 1, supplying new rafters, painting all ironwork and woodwork, re-setting old glass, and supplying and setting new glass where necessary.

Very careful work was required, as the conservatory was stocked with rare and valuable palms and other exotic plants, which have to be protected from injury due to falling glass and from possible injury due to storms, while the glass roof was removed. Operations were so conducted that little or no damage was done. The portion of the dome reconstructed is now in condition to give good service for many years.

Installing a complete electric wiring system in the Administration Building in Claremont Park.

The old wiring and fixtures were absolutely unsafe and unfit for use in an office building, and have been replaced with modern, safe wiring and fixtures adapted to the needs of the department.

Electric service and equipment were installed in the Skate and Golf House in Van Cortlandt Park, on ground floor, cellar, office, men's shower rooms and toilets. This work was done on open market order.

Adjustment of gutters and slopes on Bronx and Pelham Parkway from N. Y., N. H. & H. R. R. to Eastern Boulevard and on Eastern Boulevard from Bronx and Pelham Parkway to a point 500 feet north of Split Rock Road.

This was done by departmental labor under authority of a resolution of the Board of Estimate and Apportionment adopted May 20, 1921, and was paid for out of an unexpended balance of funds issued for the repavement of Bronx and Pelham Parkway and Eastern Boulevard.

The authorization was for \$17,000. This enabled the department to grade, seed or pave the slopes and gutters where necessary, so that the drainage from the repaved roadways is now conducted to proper outlets and the side slopes shaped and seeded to prevent erosion and consequent washouts.

Irrigating System at Golf Links, Pelham Bay Park.

\$5,000 was authorized for this work by the Board of Estimate and Apportionment July 18, 1919. On May 20, 1921 the Board of Estimate and

Apportionment adopted a resolution approving Corporate Stock, Labor and Material Schedules for this work, and it is now being done by departmental labor. Part of the system is in use. The remainder will be finished as soon as water connections can be made in the spring of 1922.

By means of this system of irrigation, water is to be supplied to the greens and fairways and a good growth of grass, which is absolutely essential to a well conducted golf course, can be maintained. Drinking water will also be supplied at various points on the links.

MAINTENANCE ACTIVITIES

It is conceded by those familiar with park traditions in The Bronx, that the condition of the parks during 1921 approached closer to perfection than at any time since the park system was established. Scarcity of funds prevented the development of many projects which would have contributed to the better appearance of some of the parks, but due to the loyal manner in which the whole force co-operated, a maximum result was attained with the resources available.

WORKSHOPS

Our carpenter shop is well equipped with the necessary woodworking machinery, electrically operated.

The wheelwright's, blacksmith's, plumber's, auto machinists', painters' and tinsmith's shops are also fitted with modern appliances for their respective trades.

These shops are all located in Bronx Park, and have been in constant operation during the year, turning out new equipment and repairing old equipment and plant.

ROAD MAINTENANCE AND REPAIRS

The following roadways were repaired where necessary, with road binder, a mixture of broken stone and asphalt:

Mosholu Parkway, between Webster Avenue and Gun Hill Road.

Mosholu Avenue, near Putnam R. R. crossing.

Spuyten Duyvil Parkway, West 227th Street and Broadway.

Roads in Van Cortlandt Park.

Bronx and Pelham Parkway, between Williamsbridge Road and White Plains Avenue.

Bronx and Pelham Parkway, between Eastchester Road and Bridge over N. Y., N. H. & H. R. R.

Roads in Botanical Garden.

Roads in Crotona Park.

Path from Franklin Avenue to corner of Fulton Avenue and Claremont Parkway.

Re-surfaced part of Gun Hill Road with broken stone.
 Nursery Road, Van Cortlandt Park, laid 810 cu. yds. trap rock.
 Golf Links Road, Van Cortlandt Park, laid 130 cu. yds. broken stone.
 Crotona Parkway, between 175th Street and Bronx Park South, repaired with broken stone and screenings.

Interior roads in Pelham Bay Park and paths through meadow lands were repaired with cinders and soil, rolled to a smooth wearing surface.

Additional pipe drains were laid where necessary, and old retaining walls were repaired, and in some cases built up to higher levels to provide for grade changes in the old roads and paths.

The following roads were covered with 52,502 gallons tar road oil, costing \$7,610.18, and 740 cu. yds. grits, costing \$2,952.60:

Spuyten Duyvil Parkway.

All roads in Van Cortlandt Park.

All roads in Crotona Park.

All roads in Botanical Garden.

Shore Road at Orchard Beach.

McKINLEY SQUARE

Laid 3,456 square feet of cement sidewalk on concrete foundation. The old sidewalk at McKinley Square, 169th Street and Boston Road was inadequate, and the new pavement is a very useful improvement.

Benches were placed along the inside edges of the new sidewalk. Resting places were thus established, and became very popular with mothers and children living in the neighborhood.

An isle of safety was also provided at McKinley Square.

LIGHTING

Application has been made for electric service and the installation of 32 additional lamp-posts in Van Cortlandt Park, and 21 lamp-posts in Crotona Park. As yet the Edison Company has failed to complete its contract. It is hoped that the same will be fully completed, and in full operation before the coming spring.

Plans for additional electric lighting in other parks, as well as the Rice Memorial Playfield in Pelham Bay Park, are still pending as to approval. Approximately 450 new lamps were installed in the various parks during the past four years.

Further details of the maintenance of the parks and parkways may be obtained by reference to reports made to the Commissioner by the Superintendent and Head Gardener, and the reports which they received from the Foreman in Charge of the various functions.

APPROXIMATELY 4,000 ACRES

The park system of the Borough comprises the following parks:

	Acres.
Bronx Park	719.12
Crotona Park	154.60
Claremont Park	38.00
Devoe Park	5.87
Drake Park, J. Rodman.....	2.80
Echo Park	4.00
Fulton Park	0.94
McComb's Dam Park	27.00
Melrose Park	0.83
Pelham Bay Park	1,756.00
Poe Park	2.33
Rose Hill Park	0.72
St. James' Park	11.83
Sigel Park, Franz	17.47
St. Mary's Park	34.20
St. Augustine Park	0.25
University Park	2.75
Van Cortlandt Park	1,142.37
Washington Bridge Park	8.45
Fort Independence Park	2.97
Fort No. 4 Park	0.60
Total	3,933.10

TRIANGLES AND SQUARES

The following plots are also under jurisdiction of the Park Department, and in most instances were beautified by planting of flower beds and shrubs:

	Area in Acres.
Third Avenue and 137th Street.....	0.04
Hall Place and 165th Street.....	0.38
Hunts Point Road and Faile Street.....	0.07
Hunts Point Road and Randall Avenue.....	0.12
Washington Avenue and 163rd Street.....	0.26
Washington Avenue and 161st Street.....	0.26
Brook Avenue and 161st Street.....	0.36
Morris Avenue and 142nd Street.....	0.06
Aqueduct Avenue and Boscobel Avenue.....	0.62
Waldo Avenue, Fieldstone Road and 242nd Street.....	4.31
Boston Road and Third Avenue.....	0.06
Webster Avenue, Claremont Parkway, Clay Avenue.....	0.28
Jerome Avenue and 170th Street.....	0.50
Willis Avenue and Southern Boulevard.....	0.60
Spuyten Duyvil Parkway and Broadway.....	0.20
Fordham Road and Southern Boulevard.....	0.54
Quarry Road and 183rd Street.....	0.05
Morris Avenue and 144th Street.....	0.06
Pelham, Crotona Avenue and Southern Boulevard.....	0.60
Mosholu Avenue and Broadway.....	0.06
Washington Avenue and 188th Street.....	0.15
Hunts Point Avenue, Whitlock Avenue and 163rd Street...	0.32
Third Avenue, Quarry Road and 181st Street.....	0.05
Waldo Avenue and 242nd Street.....	0.31
Boston Road and 169th Street.....	0.16
Franklin Avenue and 169th Street.....	0.15
Austin Place and 149th Street.....	0.04
Shakespeare Avenue and 168th Street.....	0.06
Loring Place and 183rd Street.....	0.01
Ewen Park (West 232nd Street and Riverdale Avenue)....	7.80
Total	18.48

PARKWAYS

Name.	Actual Length, Linear Feet.	Width in Feet.	Square Feet.	Acres.
Bronx and Pelham	11,861	400	4,744,400	108.90
Crotona	3,815	120	457,800	10.51
Mosholu	6,035	600	3,621,000	83.12
Spuyten Duyvil (varies from 60 to 180 feet)	11,500	*106.438	1,224,037	28.10
Total	33,211	.....	10,047,237	230.63

*Average width.

NEW YORK BOTANICAL GARDEN

The Secretary and Director-in-Chief, Dr. N. L. Britton, states that much progress has been made in the development of the Garden, Bronx Park, and in the increase of its collections during the past year. The maintenance of grounds and buildings has been continued, and the beautiful, natural features of the reservation have been conserved without deterioration. The construction of additional parts of the path systems as planned has been continued in the southern part of the reservation, especially at and near the Horticultural Garden, and south of the Rose Garden. Construction of the boundary wall and fence was continued along the Southern Boulevard and the Mansion Approach Entrance, together with some adjoining fencing built on the Pelham Parkway. Additional planting was accomplished at many points, especially at the new Fern Garden and the Rock Garden, in the Flower Garden and in the Arboretum; new plantations of paeonias were established and the collections of dahlias and tulips increased. Large additions were made to the collection of cacti. The extensive collection of palms was further rearranged.

Lectures to the public on Saturday and Sunday afternoons on a wide range of botanical and horticultural subjects were continued from early spring until late autumn; instruction through docentry was continued with an increasing demand for this service; requests for information about plants and plant products have been answered in increasing numbers; work on the labelling of all collections has been continued. The public educational work of the institution thus continues to expand.

Botanical exploration and collecting of specimens and of plants were accomplished in Florida, Trinidad, French Guiana, British Guiana and Cuba, and the museums and herbarium and greenhouse collections have been enriched through this work, and important additions to knowledge made.

Additions to the museums and herbarium aggregate about 34,275 specimens. Additions have been made to many of the collections of living plants, both out of doors and under glass.

Much progress was made in incorporating specimens held in storage into the permanent collections and in the naming, labelling and distribution of specimens recently obtained through explorations in Tropical America.

The collection of books includes 30,534 bound volumes, 548 volumes having been added during the year, mostly by purchase through the use of donated funds.

Under the cooperative arrangement entered into in 1918 with the United States National Museum and the Gray Herbarium of Harvard University, for the investigation of the flora and plant products of northern South America and islands adjacent, botanical exploration and collecting, and the study of the large collections made, have been continued, resulting in important increase in knowledge, and in extensive and valuable additions to the herbaria and museums of the cooperating institutions.

The driveways have been maintained as in previous years by the Park Department, under the provisions of the Garden's Charter. Additional parts of the path system built and opened during the year aggregate about 1,700 lineal feet. About 900 feet were partly constructed. Much grading and drainage were required during the building of paths. The paths needed along the Bronx River leading northward from the Linnaean Bridge still await construction.

BOUNDARY FENCES AND ENTRANCES

In continuation of the boundary fence along the Southern Boulevard, partly constructed last year, about 200 running feet was built during 1921, and the iron railing for about 500 feet of it, uncompleted in 1920, was purchased and set in place. The total length of fence completed along this boulevard, during the two years, including the Horticultural Gardens Entrance, being 741 feet; there remains unfenced 668 feet southward to Pelham Avenue. The 1921 work was made possible by appropriations from the income of funds donated by private benefactors of the Garden.

A private bequest, amounting, with interest, to \$5,466.38, was expended during 1921, after appropriation by the Board of Managers for construction of the Mansion Approach Entrance, with adjoining fencing on the Pelham Parkway. About 100 feet of fencing was built here also through the income of the Sage fund. Including this entrance, 234 feet of the boundary construction was accomplished here. Altogether, including the two entrances, the boundary has been thus protected and ornamented during 1920 and 1921 for a length of 975 feet, out of the estimated 5,000 feet required, leaving about 4,000 feet to be provided for.

BUILDINGS

Under a contract awarded by the Commissioners of Parks the roof of the great palm house at conservatory range No. 1 was reglazed, with the exception of the upper dome. All wooden rafters and bars were replaced. Except for minor repairs from time to time this roof has lasted since it was built in the year 1900.

NEW YORK ZOOLOGICAL PARK

The report of Dr. William T. Hornaday, Director of the New York Zoological Society, shows the good work done in that popular and progressive function of the park system.

The ever-growing popularity of the Zoological Park is clearly shown by the attendance figures. The number of visitors during 1921 was 2,562,138, against 2,250,177 for 1920.

The animal collections remained at the high standard reached one year ago, through large importations from abroad. During 1921 comparatively

few new animals were added, for the satisfactory reason that extensive additions were not necessary. The most notable acquisition was the arrival of four American bison and two cow elk from the Yellowstone National Park. They came as a gift from the United States Government and were brought on for the purpose of infusing new blood into the Park herd, which was greatly depleted some years ago through the removal of two nucleus herds presented to the government for the founding of two new national bison ranges.

The wearing out and corrosion of furnaces and water pipes in the Park after a use of twenty years, is the inexorable result of the lapse of time. The Park contains 47 hot water and steam furnaces, all of which have reached a state of advanced age. The entire series is progressively going out of commission. Add to this the miles of water pipe in the Park, and the seriousness of the annual expenditures for replacements will be readily understood.

Construction work was begun in May on the new Museum building in the Park, which, when completed, will be presented by the New York Zoological Society as a gift to the City of New York, for the permanent public exhibition of the National Collection of Heads and Horns. This collection was founded by the Zoological Society, and is the most valuable and comprehensive collection of its kind in existence. The building will be completed by March 1, 1922, and opened to the public early in the following May.

The census of the collections in the Park on December 31, 1921, was as follows:

	Specimens.	Species.
Mammals	623	185
Birds	2,174	750
Reptiles and Amphibians	465	73
	3,262	1,008

BAND CONCERTS GIVEN IN THE PARKS, 1921

Name of Park	Concerts.	Amount Paid.	Attendance.
Van Cortlandt	7	\$931.00	11,500
St. Mary's	6	678.00	15,500
Crotona	6	678.00	12,600
Claremont	3	339.00	2,000
St. James	5	565.00	1,900
Franz Sigel	4	452.00	4,600
McComb's Dam	4	452.00	2,600
Westchester Square	7	791.00	4,000
Pelham Bay	6	678.00	2,250
Washington Bridge	1	113.00	200
Poe Park	4	473.00	1,300
Parades (Borough Day)	1	120.00	.....
Hunts Point	4	445.00	3,300
Washington Avenue and 161st Street	2	226.00	3,300
Bronx Zoo	2	240.00	7,976
Hylan Park	1	155.00	1,000
Total	63	\$7,336.00	74,026

STATEMENT OF THE CONDITION OF ALL APPROPRIATION ACCOUNTS FOR 1921

Code No.	TITLE OF ACCOUNT	Appropriations including Transfers	Transferred to Accruals	From Other City Depts.	Total Available	Expenditures	Unexpended Balance	Encumbrances	Unencumbered Balance
PERSONAL SERVICE									
1209	Salaries Regular Employees Adm. General.....	\$36,286.00	\$69.11		\$36,216.89	\$36,216.89			
1210	" " " " Engineering.....	14,591.00	.20		14,590.80	14,590.80			
1211	" " " " c/o Parks and Blvds.....	73,687.00	1,283.88		72,403.12	72,403.12			
1213	Wages " " " c/o " Blvds. and Trees	77,421.25	1,240.00		76,181.25	74,829.25	\$1,352.00	\$1,352.00	
1215	" Temporary Employees, Oper. of Playgrounds.....	4,750.00			4,750.00	4,750.00			
1216	" " " " c/o Parks and Blvds.....	417,153.00		\$9,997.50	407,155.50	399,682.94	7,472.56	7,472.56	
1217	" " " " c/o Trees in City Streets	31,567.00		3,333.00	28,234.00	28,218.25	15.75	15.75	
SUPPLIES									
1219	Forage and Veterinary.....	3,900.00		990.00	2,910.00	1,158.25	1,751.75	514.55	\$1,237.20
1220	Fuel.....	9,500.00		90.00	9,410.00	9,349.16	60.84		60.84
1221	Office.....	800.00			800.00	794.48	5.52	5.32	.20
1223	Botanical and Agricultural.....	3,950.00		395.00	3,555.00	3,291.50	263.50	263.50	
1224	Motor Vehicle.....	4,500.00		1,250.00	3,250.00	2,226.65	1,023.35	970.15	53.20
1225	Other.....	1,600.00			1,600.00	1,476.28	123.72	121.25	2.47
EQUIPMENT									
1226	Office.....	200.00			200.00	199.45	.55		.55
1228	Motor Vehicle and Equipment.....	3,100.00			3,100.00	2,285.59	814.41	158.17	656.24
1229	General Plant.....	3,500.00			3,500.00	3,270.48	229.52	226.87	2.65
MATERIAL									
1230	Highway.....	16,325.00			16,325.00	8,689.06	7,635.94	7,250.00	385.94
1231	Other.....	18,200.00			18,200.00	14,188.46	4,011.54	3,984.76	26.78
CONTRACT OR OPEN ORDER SERVICE									
1232	Repairs and Replacements.....	9,620.00			9,620.00	9,160.28	459.72	438.00	21.72
1233	Motor Vehicle Repairs.....	350.00		100.00	250.00	155.27	94.73	89.51	5.22
1234	Trans. Hire of Horses and Vehicles with Drivers.....	61,385.00			61,385.00	60,796.55	588.45	547.00	41.45
1235	Shoeing and Boarding Horses, inc. Veterinary.....	874.00		100.00	774.00	630.00	144.00	70.00	74.00
1237	Carfare.....	145.00		40.00	105.00	79.94	25.06		25.06
1238	Communication—Telephone Service.....	753.00			753.00	358.72	394.28	394.28	
1239	General Plant Service—General.....	1,100.00			1,100.00	535.86	564.14	501.99	62.15
1240	" " " " Music.....	7,344.00			7,344.00	7,336.00	8.00		8.00
		\$802,601.25	\$2,593.19	\$16,295.50	\$783,712.56	\$756,673.23	\$27,039.33	\$24,375.66	\$2,663.67

STATEMENT OF CONDITION OF CORPORATE STOCK AS AT DECEMBER 31, 1921

TITLE OF ACCOUNT	Unex- pended Balance, Jan. 1, 1921	Author- ized During Year	Total	Rescinded During Year	Total after Rescind- ment	Expended During Year	Unex- pended Balance, Dec. 31, '21	Encum- brances	Unen- cumbered Balance, Dec. 31, '21
Botanical Garden in Bronx Park—Im- proving, etc.....	\$800.00		\$800.00		\$800.00		\$800.00	\$800.00	
Construction of Drinking Fountains.....	1,730.45		1,730.45		1,730.45		1,730.45		\$1,730.45
Erection of addition to Col. Mansion, Van Cortlandt Park.....	25.00		25.00		25.00		25.00	25.00	
Grand Boulevard and Concourse, Pur. and Planting Trees.....	8,089.13		8,089.13		8,089.13		8,089.13		8,089.13
Construction of Hospital Building, Zoo	437.00		437.00		437.00		437.00	437.00	
Swamplands, Van Cortlandt Park.....	6,598.09		6,598.09		6,598.09		6,598.09		6,598.09
Construction of Comf. Sta. Ath. Field, Pelham Bay Park.....	596.00		596.00		596.00	\$462.70	133.30	133.30	
Addition to Golf House, Van Cortlandt Park.....	9,770.00		9,770.00		9,770.00		9,770.00		9,770.00
Addition to Sidewalk along 177th St. side, Crotona.....	144.14		144.14		144.14		144.14	144.14	
Repaving Eastern Boulevard, Pelham Bay Park.....	698.71		698.71		698.71	251.95	446.76	446.76	
Repaving portions of Bronx and Pel- ham Parkway.....	2,317.51		2,317.51		2,317.51		2,317.51	495.20	1,822.31
Repaving Eastern Boulevard from Bridge to N. Split Rock Road.....	6,942.31		6,942.31		6,942.31		6,942.31	6,611.03	331.28
Repaving Eastern Boulevard from Bronx and Pelham Pkwy. to Bridge...	23,463.90		23,463.90		23,463.90	10,230.40	13,233.50		13,233.50
Repaving from N. Y. N. H. and H. R. R. Bx. and Pelham Pkwy. to East- ern Boulevard.....	16,395.42		16,395.42		16,395.42	16,395.42			
Plans for Construction of Comfort Sta- tion—Orchard Beach.....	240.00		240.00		240.00		240.00		240.00
Repaving Boston Rd. from 182nd St. to Bronx Park East.....	70,000.00	\$20,000.00	90,000.00	\$20,000.00	70,000.00	49,958.44	20,041.56	10,502.94	9,538.62
Repaving Van Cortlandt Ave. from S. Boundary to Van Cortlandt Station.	11,750.00		11,750.00		11,750.00		11,750.00		11,750.00
Plans for Const. of Concrete Bath- houses, Athletic Beach.....	400.00		400.00		400.00		400.00		400.00

TITLE OF ACCOUNT	Unex- pended Balance, Jan. 1, 1921	Author- ized During Year	Total	Rescinded During Year	Total after Rescind- ment	Expended During Year	Unex- pended Balance, Dec. 31, '21	Encum- brances	Unen- cumbered Balance, Dec. 31, '21
Construction of Irrigating System— Golf Links, Pelham.....	\$3,742.03		\$3,742.03		\$3,742.03	\$3,691.90	\$50.13		\$50.13
Extension of Bathing Beach—Athletic Field.....	5,500.00		5,500.00		5,500.00	4,788.70	711.30		711.30
Construction of Sidewalks, etc., Mott Ave., Franz Sigel Park.....	6,000.00		6,000.00		6,000.00		6,000.00		6,000.00
Planting, sodding and construction of walks, Hunts' Point Square.....	2,950.00		2,950.00		2,950.00		2,950.00		2,950.00
Repaving connection bet. pavement— Bronx and Pelham Parkway.....	1,571.93		1,571.93		1,571.93	183.87	1,388.06	\$678.68	709.38
Construction of Driveway—Eastern Portion, Botanical Garden.....	1,204.29		1,204.29		1,204.29		1,204.29	630.00	574.29
Construction of Walks, etc., Zoological Garden.....	5,000.00		5,000.00		5,000.00		5,000.00		5,000.00
Construction of Machinery and Storage Shed—Zoological Garden.....	15,000.00		15,000.00		15,000.00		15,000.00		15,000.00
Paving Broadway entrance to Van Cortlandt Park.....		\$5,000.00	5,000.00		5,000.00		5,000.00		5,000.00
Repaving main roadway, Bronx and Pelham Pkway. from Boston Road to Bridge.....		106,000.00	106,000.00		106,000.00		106,000.00	\$9,527.50	16,472.50
Repaving Eastern Boulevard from Bx. and Pelham Pkway. to Westches- ter Ave.....		22,600.00	22,600.00	\$4,500.00	18,100.00	17,787.35	312.65		312.65
Comfort Station, Orchard Beach, Gen- eral Construction.....		12,000.00	12,000.00		12,000.00		12,000.00		12,000.00
Comfort Station, Orchard Beach, Plumbing and Electrical Work.....		10,000.00	10,000.00		10,000.00		10,000.00		10,000.00
	\$201,365.91	\$175,600.00	\$376,965.91	\$24,500.00	\$352,465.91	\$103,750.73	\$248,715.18	\$110,431.55	\$138,283.63

STATEMENT OF CONDITION OF SPECIAL REVENUE BONDS AND SPECIAL FUNDS AS AT DECEMBER 31, 1921

TITLE OF ACCOUNT	Unex- pended Balance, Jan. 1, 1921	Author- ized During Year	Total	Rescinded During Year	Total after Rescind- ment	Expended During Year	Unex- pended Balance, Dec. 31, '21	Encum- brances	Unen- cumbered Balance, Dec. 31, '21
Deficiency in Budget Item 1213, 1918	\$4.50	.....	\$4.50	.....	\$4.50	.....	\$4.50	.....	\$4.50
" " " " 1216, 1918	35.98	.....	35.98	.....	35.98	.....	35.98	.....	35.98
" " " " 1213, 1919	5.76	.....	5.76	.....	5.76	.....	5.76	.....	5.76
Purchase of Coal—1919.....	5.40	.....	5.40	.....	5.40	.....	5.40	.....	5.40
Deficiency in Budget Item 1213, 1920	111.14	\$162.50	273.64	.....	273.64	\$237.00	36.64	.....	36.64
" " " " 1216, 1920	233.24	183.00	416.24	.....	416.24	272.50	143.74	.....	143.74
Moving Fountain from City Hall to Bronx, 1920.....	13.05	.....	13.05	.....	13.05	.....	13.05	.....	13.05
Electric lighting, Music stands, 1920	325.00	.....	325.00	.....	325.00	.....	325.00	.....	325.00
Forage, Gasoline and General Plant Equipment, 1920.....	943.63	.....	943.63	.....	943.63	841.33	102.30	.....	102.30
Purchase of Coal, 1920.....	1,620.52	.....	1,620.52	.....	1,620.52	1,560.70	59.82	.....	59.82
Increase in pay for one Sawfiler, 1920	139.50	.....	139.50	.....	139.50	139.50	.....	.....	.....
Tree guards on Gr. Concourse and Boulevard.....	.....	14,710.00	14,710.00	.....	14,710.00	11,731.29	2,978.71	\$224.81	2,753.90
Deficiency in Budget Item 1213, 1921	.....	277.50	277.50	.....	277.50	272.00	5.50	4.50	1.00
c/o Parks, Boulevards and Trees.....	.....	2,100.00	2,100.00	.....	2,100.00	2,084.95	15.05	.....	15.05
Purchase of Sand.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	\$3,437.72	\$17,433.00	\$20,870.72	.....	\$20,870.72	\$17,139.27	\$3,731.45	\$229.31	\$3,502.14
Planting Trees in City Streets.....	\$174.75	.....	\$174.75	.....	\$174.75	.....	\$174.75	.....	\$174.75
Damage to Trees and Other Park Property.....	122.00	\$28.00	150.00	.....	150.00	.....	150.00	.....	150.00
	\$296.75	\$28.00	\$324.75	.....	\$324.75	.....	\$324.75	.....	\$324.75

COMPARATIVE STATEMENT OF PERSONAL SERVICE FOR 1920 AND 1921

	Changes for 1921.		Decrease or Increase Employees,	
	1920.	1921.	over 1920.	1921.
Commissioner's Office.....	\$9,445.00	\$11,361.00	\$1,916.00	..
Bureau of Audits and Accounts....	8,588.00	11,451.00	2,863.00	..
“ “ Superintendent	11,428.00	13,311.00	1,883.00	..
“ “ Engineering	12,385.44	14,591.00	2,205.56	..
Storeroom	2,600.00	3,171.00	571.00	
Skilled Labor	153,458.90	162,126.75	8,667.85	*1
Unskilled “	398,930.10	439,443.50	40,513.40	11
	\$596,835.44	\$655,455.25	\$58,619.81	10

* Decrease.

The increase in expenditure of 1921, as the above figures show, was due practically entirely to the increased rate of compensation authorized by the Board of Estimate and Apportionment.