Enjoys His Holidays on the Coast

of Spain.

Edmund Burke says that he was in-

ended for the bar, but music was al-

ways a pleasure to him and law was

always work, so he chose the pleasure

used to lead the choir boys into church

and he Sang at St. George's, Mon-treal; All Saints', Toronto, and later

at Bishop's College, Lennoxville, where,

when he was nunished for misdemean

ors, they made him sing bass in a

quartet with the masters. By this tim Burke was moved to the other end of

the choir loft and when he went McGill University he immediate

started to dabble in music. Besides acquiring a bachelor of civil law degree

he became leader of the McGill Glee

Paris and afterwards a debut at Montpelier in Southern France, with-

out any rehearsals and singing four

ood fun and very exciting, said Mr.

otball or baseball here and they rag

the singers if they sing badly. There were bull fights in that part of the

country. I remember one at Nimes."
He told about some of his early student

days in France, when he was taken

up there by a noted French teacher

pupils-nine girls and one man-him

he said. "They were all of differen

sang at the Royal Opera House for

few seasons, and after that Covent

Garden, where the two casts that he enjoyed best were his performances

in Faust with Melba and John Mc-Cormick and the other in Les Hugue-

nots with Destinn, Tetrazzini, Caruso,

singers I have ever heard and a house-hold name in England," whom he saw

fore the war, and who, with Pol Plan-

one else in his student days. Mr. Mills.

Burke's headquarters are in

Scotti and Arimondi

nationalities, one Spanish, one Italian.

"I had a great time with them,"

terest in opera there as they do

peras without rehearsals.

his brother six years old the

The Four Masters of Classical Violin Building

BY ROBERT ALTON IN THE ETU

Several types of violins are accepted and worked upon by most modern build-Occasionally a maker will change is pattern and work for a time upon model different from the one he has een following. But, generally speak-g, modern violin makers restrict themselves to one type only. As these various types represent widely different ideals in violin construction, it is, perhaps, not inopportune to consider a few. and to examine the characteristics

of tone produced by each. asetrs of classical violin building are four, viz., Amati, Stradivarius, Guarnerius and Stainer. The types of violins from these four masters are quite distinct, and although there are minor variations in the models of each maker, during the progress of his career, yet the type of violin is distinct and characteristic.

AMATI THE OLDEST TYPE. The oldest type of these four masters is the Amati, and is the pattern followwith minor alterations, throughout his career by Nicola Amati, the most talented builder of that talented family. With few exceptions, the Amati type of lin is of small pattern, with corners drawn out and somewhat pronounced archings of the Amati family generally are high, and although Nicolo

Amati flattened the model somewhat,

yet the modeling still remained higher than that of Stradivarius, who served his apprenticeship under Nicolo Amati. The violin built by Stradivarius is the flattest of all four models. The sound-holes lean over at the top toare not so circular in character. Stradi- admired. varius gradually felt his way towards A COMBINATION OF QUALITIES.

usands of fiddle makers. GUARNERIUS WITH THE PRONOUNCED ARCH.

set far apart on the belly.

The Stainer type is of a more tubby this is more than compensated for by character than either of the others. The the mellow coundness of the tone. To to the bulging of the arching in all directions, the air-space is not reduced Once a violin is built on these lines the Anglican W.M.S. at Montreal Confer. appreciably. The scrols of all four maker can then determine whether or makers, although considerably different, not the character of sound is suitable do not enter into our calculations here, for his requirements.

full than that of Amati, is still on the of keenness rather than round- the other patterns.

types of sound can be altered, to some extent, by adjustment. For instance, a heavy, or comparatively heavy bridge models. The swelling or rise of the post will modify the piercing quality of plates in Stainer violins is carried without soft material, and somewhat thick in three inches of the ends, top and many models. The swelling or rise of the material, and somewhat thick in three inches of the ends, top and many models. The swelling or rise of the material, and somewhat thick in three inches of the ends, top and many solliers have

EFFECT OF TEMPERATURE ON PITCH OF WIND INSTRUMENTS BY W. M. SHARP, IN THE METRONOME

It is well known to musicians that the pitch of a wind instrument ris when it is warmed by the breath. This can be readily explained and the amount necessary to lengthen the instrument in order to maintain the same pitch can easily be calculated.

A musical tone is produced by a vibrating body which causes alternate densations and rarefactions in the surrounding air. These condensations and rarefactions are called sound waves, and travel faster in warm air than in cool air. Careful experiments have shown that sound travels 1090.6 feet per second at the freezing point (32 degrees Fahrenheit), and the increase in velocity is 13.3 inches per second for each rise of one degree in temperature. Therefore, at a temperature of 50 degrees, which is 18 degrees above freezing, the velocity of sound would be 1110.5 feet per second, while at 78 degrees the velocity would be 1141.6 feet per second.

Now, the fundamental (pedal) tone of the cornet in A is the A written in first space in bass clef. This tone at standard pitch is produced by 109 vibrations per second. If this tone is sounded when the temperature is 50 degrees the front of the first wave will be 1110.5 feet away from the instrument at the end of one second and the intervening space will be divided into 109 waves, since there will have been that many vibrations in that second. Thus the length of each wave will be 1110.5 feet divided by 109, or 10.18 feet. This is 122.3 inches. At 78 degrees the wave length would be 1141.6 feet divided by 109, or 125.6 inches.

The fundamental tone produced by a tube will have a wave length of twice the length of the tube. This is neglecting a small correction depending on the diameter of the tubing and not affected by the temperature. Therefore, when the average temperature of the air column in a cornet is 50 degrees the length of the cornet to produce standard pitch must be 122.3 inches divided by 2 or 61.2 (nearly). If the temperature is 78 degrees the length must be 125.6 inches divided by 2, or 52.8 inches. In other words, the cornet would have been lengthened (62.8-61.2) 1.6 inches. This would be done by drawing the tuning slide .8 of an inch. The tuning slide of the cornet in A should be drawn nearly .03 of an inch for each increase of one degree in temperature.

Of course, the expansion of the metal in the cornet will tend to lower the pitch of the instrument as the temperature increases, but this amount is very small. The rate of expansion of air is very much greater in brass, so the pitch is actually raised.

was the center of the instrument to type was insulterable, and this in spite of the fact that previously the tone of the Guarneri type especially was much

flat type of instrument, while at In this connection it is interesting to the same time he enlarged the model, note the remarks of Mr. Honeyman, Report The corners became broader and some- who states that the perfect violin "lay what more obtuse in character. The somewhere between Guarnerius, Maz-Strad model, with minor alterations, zini and Gasparo da Salo." The two remains to this day the pattern of latter makers built the same type of instrument, therefore the statement re-Guarnerius and Gasparo da Salo. As last year of \$420,883 to 426 retired min-The Guarnerius model is quite distance in model between tinct from either Amati or Stradivarius. Gasparo da Salo and Stradivarius is in the cise in the center of the arch is the size of the instrument, and the of deceased ministers.

[Ast year of \$420,883 to 426 retired ministers and last year of \$420,883 to 426 retired ministers and last year of \$420,883 to 426 retired ministers, one Finnish, one Roumanian, one The finding in the center of the arch is the size of the instrument, and the last year of \$420,883 to 426 retired ministers. generally not less than three-quarters depth of the ribs, it seems feasible to of an inch, and falls away at each end in a bold sweep to the edges, top and dictum to be correct, it is worth while bottom. This prenounced arch has to follow Stradivarius for outline.

Thirty-four ministers have been Later on he went to Holland and added to the list with an average are the Royal Opera House for a defect of immediate the result of the result of the result of the cash of the dances and wildows, \$379.50.

Thirty-four ministers have been Later on he went to Holland and added to the list with an average are the Royal Opera House for the root of the r the effect of increasing the air-space to Guarnerius for arching, and to increase some extent, especially in view of the the depth of cibs after the manner of vice of 36 2-3 years. fact that the sweep of the lower bouts Gasparo da Salo (the originator of the of the instrument in the Guarnerius fiddle as we know it), whose instrupattern is of a bolder character than ments are described by Heron-Allen as that of either Stradivarius or Amati. "grave and melancho'y in character." that of either Stradivarius or Amati. "grave and melancholy in character." and the revenue The center C's in the Guarnerius model in the instrument built by the author rapidly spread outward from the middle on these lines, the tone is certainly part of the C's to the lower corners. The rounder and fuller, and carries very sound-holes are long and pointed and well, indeed. Of the flute-like character tired ministers' and widows' fund.

s; but the model and outline leave THE VIOLIN OF THE FUTURE. hing to be desired. soft material, and somewhat thick of the plercing quality of soft material, and somewhat thick of the serol, and the maximum. The suitant tone was considered the maximum the rand more flutelities, and, in fact, the tone of the other of St. John-Albert.

MANY SOLDIERS HAVE

REPAID LOANS IN FULL

OTTAWA, Oct. 26.—Soldier settlement boards figures to the end of Septant from the content of the center, or long arching, towards the edges. On the cheeks of the fiddle, back and front, the swelling is carried well of the center, or long and front, the swelling is carried well of the center, or long and front, the swelling is carried well of the center, or long and front the deges. On the cheeks of the fiddle, back and front, the swelling is carried well of the center, or long and front the deges. On the cheeks of the fiddle, back and front, the swelling is carried well of the center, or long and front, the swelling is carried well of the center, or long and front, the swelling is carried well of the center, or long and front, the swelling is carried well of the center, or long and front the deges. On the cheeks of the long and front the

FOR RETIRED MINISTERS

of Superannuation Department of Methodist Church is

Submitted. TORONTO, Oct. 26.-The annua meeting of the superannuation departsolves itself into this-that the perfect ment of the Methodist Church in sestype of violin is somewhere between sion here to-day report payments! 106 children of deceased ministers. were prima donnas.' We used to go
The average annuity paid to retired down to the casino for dances and

added to the list, with an average ser-The reports show the total investment

Estimates for 1922 call for a total of

DIOCESAN SOCIAL SERVICE BOARDS DECIDED UPON

Dominion.

which are chiefly concerned with the various types of body.

TYPES OF TONE.

The Amati type of violin does not produce the strength of tone obtained from the other patterns. It is sweet, and somewhat piercing in character. The tone of the Stradivarius model, though rounder in character, and more full than that of Amati, is still on the strength of tone, when compared with the various model will possibly suit many makers and players better than either Stradivarius model will possibly suit many makers and players better than either Stradivarius or composite violin model, at least for the create such departments with the sanction of their respective bishops, according to a motion passed according to the report of the committee on social service presented by Miss M. Cartwright, of Toronto, to the Missionary Society of the Church of English than that of Amati, is still on the sum of the composition was given to the right of diocesan boards to create such departments with the sanction of their respective bishops, according to a motion passed according to the report of the committee on social service will not be formed, but recognition was given to the right of diocesan boards to create such departments with the sanction of their respective bishops, according to a motion passed according to the report of the committee on social service will not be formed, but recognition was given to the right of diocesan boards to create such departments with the since the boat over and is going back to Europe to the right of diocesan boards to create such departments with the since the since the boat over and is going back to Europe to the right of diocesan boards to create such departments with the since the boat over and is going back to Europe to the report of the respective bishops, according to a motion passed according to the report of the committee on social service will not be formed. The such according to the sanction of their respective bishops, according to a motion passed according to the report of the sanction of the sa MONTREAL, Oct. 26.-A Dominion A discussion hinging on the relabut the model and outline leave ing to be desired.

The building of violins on the lines of grarnerius and Stainer models, the other hand, produce tone of a quite overdone, and the bulging of the der and more mellow type, but the plates carried to excess. The writer and quality is not so pronounced, tends rather to the clarinet tone. It is penuine example of Jacobus Stainer, and the outstanding feature of the remembered that all these of sound can be altered to some arching was its graceful appearance.

POWDER MAGAZINE

LONDON, Oct. 26 .- The explosion of

BLAST KILLS MANY on the west side of the Gulf of Genoa, according to advices to the Central News Agency from Rome to-day.

Despite the efforts of fire fighters

the forest conflagrations extended to a line of forts in that section. Only one of them had exploded, the dispatch from Premier Gounaris and Foreign powder magazine at Sante Elena said, but this one wrecked several Minister Baltazzis, of Greece, looking nearby houses and killed and injured to the possibility of mediation between fortress, reported from Avlona, Italy, many persons. Rescue parties hurried last night, was caused by extensive to Vado from neighboring towns. It newspapers here.

forest fires which have been raging for several days in the vicinity of Vado, on the west side of the Gulf of Genoa, than 150 miles away.

FRANCE WILL NOT MEDIATE. PARIS, Oct. 26.-Premier Briand yes-

MANY ASK FOR PERMITS TO CARRY REVOLVERS

TORONTO, Oct. 26.—Since the recent bank robberies citizens have inundated Chief of Police Dickson with applica-tions for permits to keep revolvers in A permit is necessary to purchase a revolver from a dealer.

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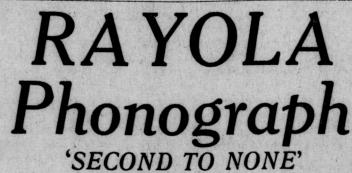
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