HANDSOME NEW THEATRE IN TIMMINS



Explaining the Reason Why the Talkies Talk

Sound System at the Broadway Theatre Explained by Manager L. Moore. New Theatre Specially Designed and Equipped to Assure the Best Results.

and forth across a large silver sheet, their faces wreathed and contorted in the entire gamut of human emotion, and as they speak, millions of auditors gathered in hundreds of motion picture theatres sit spell-bound. A shattering, thundering, earth-shaking The screen itself has tiny perforations catastrophe is pictured on this same silver sheet and these same millions gasp, shudder and cringe as they live through the terrifying experience in the safety of their plush covered seats. All the stirring, startling, soothing, rasping, thrilling sounds that constitute the audible phase of human emotions and situations are faithfully reproduced in the modern motion picture with such realism that we, the auditors, literally enlarge our experience by living through them. That is the modern miracle of motion picture

motion picture sound have even a vague notion of how this modern miracle is produced. Yet, according to Mr. L. Moore, manager of the new Broadway Theatre, the public is not without a great deal of curiosity on this subject. Years of listening to radio, to forward for enlistment now." public address systems and to motion picture sound have made them discriminatingly critical of the difference between good and bad sound, he said. of the Broadway Theatre recently of fighting. asked the engineers from the great RCA Victor engineering laboratories ence and initiative than the enemy, to install their latest achievement in he said. "You have that spirit of conamed the "Magic Voice of the Screen" endurance you need defer to no one

because of its remarkable capabilities. "how many people will ask 'What of talent in the modern Canadian army makes the talkies talk?' The process and young men should not hesitate to is extraordinarily interesting and not offer their services because the Empire as hard to understand as one might could not afford to lose a "single day.

To begin with, the sound you hear in the theatre comes from a narrow strip of 'sound-track' which runs perallel to the pictures on the film. This sound-track has a curious fluctuating pattern which varies in accordance with the pitch and volume of the sound. Now, actually, sound cannot be photographed, so what the recording waves of the singing or speaking voice, or of music and background effects, into electrical waves and then into light waves during the recording pro-

"This sounds much more complicated than it is. But to put it simply this is how it's done. The motion picture studio is a good deal like a radio studio. The sound is first picked up by a microphone which converts the sound waves into corresponding electrical waves very much the same way as the telephone receiver does. The electrical waves are then amplified to sufficient strength to make them vibrate a tiny mirror. These vibrations correspond exactly to the characteristics of the original sound waves. A bright Medical Aid Plan light is then focussed on the mirror so that its vibrating reaction strikes Now in Effect at the film negative. Now we have the light waves which can be photographed Kirkland Lake -and the wavy fluctuations on the

sound-track are the result. "The reproducing process in the theatre is simply the reverse of the recording process," continued Mr. Moore. "The film is threaded into the projector and the motor started up. The film then moves at exactly the same speed at which it was recorded. beam of light is then directed through Northern Miner says:the sound-track portion of the film. The variations in the sound-track picture cause variations in the amount of light passing through the film. This fluctuating light is focussed on photo-electric cell.

Glamorous human creatures flit back sensitive to light and as the light waves strike it, it regulates the flow of electric current in exact proportion to the amount of light passing through it. The electric current thus produced is built-up in volume by amplifiers and made to operate the loudspeakers, which are situated behind the screen. to permit the unimpeded flow of sound from the speakers and yet present a smooth reflecting surface for the projection of the picture. Thus we have in a few seemingly simple, but in reality highly critical stages, the miracle of the modern sound motion picture, concluded Mr. Moore,

General A. G. McNaughton Makes Appeal to Youth

London, June 18-Lt.-Gen. A. G. L. McNaughton, commander of Cana-Only an insignificant minority of the da's army overseas, appealed to the millions who thrill to the realism of Dominion's young manhood last night to enlist for active service.

> "Under our voluntary system of recruiting," he said in a broadcast message to Canadians, "a grave responsibility rests with the individual. Accept that responsibility, and come

He described how mechanization had become the dominating factor in army composition and declared the Canadian educational system had fitted Cana-For this reason that the management | dians particularly well for this type

"You have a higher level of intelligsound motion picture reproducing sys- operation or team play which is so tems. This sound system has been essential and in physical fitness and Gen. McNaughton said there was "It is surprising," said Mr. Moore, "full scope for every conceivable kind

> "These matters are urgent," he said. "The German armies sprawl out across Europe . . . but sooner or later, action is bound to come in this, the one de-

He traced Canada's transition from a peacetime to wartime footing.

"At the outbreak of war many volunteers had to be turned away," he said. "But now industry has passed engineers do is to convert the sound through the transition stage from a peacetime to a wartime footing and already is well advanced."

Gen. McNaughton gave a brief de scription of the modern army, with its wide range of scientific devices and modern improvements. These improvements were not "luxuries but absolute necessities-antidotes to some specific danger" which the enemy might bring

"When the history of this time comes to be written, and comparisons drawn between the nature of the arm ed forces placed in combat in 1914 and the present time, the fact which will stand out is the increase in mechaniza-

Reference was made recently to the the following from the last issue of sured. The Northern Miner, the plan is now in full force and effect, with a majority of the mines at Kirkland Lake put-A ting it into effect on June 1st. The

Effective June first, a majority of the mines of the Kirkland Lake camp have adopted a plan of medical aid for employees and their families, involving nominal cost to the employees.

The purpose of the plan is to pro-"The photo-electric cell is a marvel- vide medical, surgical and hospital Freedom must go to Winston Churchill, ous little device resembling a radio care, as economically as possible, for tube which is often called an 'electric all employees of the companies in- W. Spinney, national executive chaireye' because of the many miraculous volved, their wives and children, resid- man, said in a message to his field things it can be made to do. This ing within the township of Teck or in forces. photo-electric cell is extraordinarily the immediate vicinity of Kirkland

Pictured above is the imposing new building which houses the beautifully equipped new theatre, "The Broadway" to open to-morrow (Friday) with the performance "It's In the Air" starring George Formby. The marquee of the entertainment palace is brilliantly lighted, and the building is made in the newest of modern architecture.

Lake. The plan covers all regular employees of the mines, their wives and dependent children under 18 years of age. The cost to married employees is \$2.75 per month and for single employees \$1.75 per month.

The plan covers the cost of medical and surgical services in cases of sickness or accident except in cases subject to the Workmen's Compensation Act. The Public Health Act, the Venereal Diseases Act or any other public body or agency. It does not cover treatment of drug addicts, sufferers from venereal diseases, alcoholism or any illness or disability resulting from these conditions, or illness or accident incurred while offending against the Criminal Code.

Specialists, when authorized by the attending physician, will be provided under the plan and consultant service, other than specialist, will be provided by the attending physician at the request of the employee. Necessary hospital accommodation will be provided at the discretion of the attending physician. Hospital care includes x-ray and private nursing service when ordered by the attending physician and is limited for any one illness or accident to 45 days in the case of an emplovee and to 21 days in the case of an employee's dependent. Drugs and medicines, consisting of sulfanilamides, codeine, aspirin and cough medicines will be supplied free by the physician. Drugs and medicines supplied in hospital on prescription will also be free under the plan. In obstetrical cases cared for in the home the sum of \$10 will be allowed for graduate, including V.O.N. nursing service. If hospitalized the sum of \$20 will be allowed toward the hospital charges, the balance being payable by the employee. A nomina fee of \$12.50 will be payable by the employee to the attending physician. In the case of contagious diseases medical service will be provided in the home. Tuberculosis and mental diseases, after diagnosis, are not covered by the plan.

Choice of doctor provides that an employee may select his physician and the physician for his family from a list of 21 doctors who have been selected to participate in the plan. The low rates for the plan have been established on the basis of one physician for the employee and his family. If an employee desires to name a physician for himself and another for his family a charge of 50c a month will be made in addition to the regular charge for a married man unless the doctors selected are in the same group. On the first of each month an employee may change his doctor by lifting his card from one doctor and placing it with another and giving notice to the mine office.

Expect Victory Loan in Canada to Reach **Objective To-morrow**

Word from Ottawa last night suggests that headquarters for the Victory Loan are confidant that the drive will pass its objective by to-morrow (Friday) that a little over fifty-one million dollars is all that is required to put the loan over the top. With three days to go and several large subscriptions yet to be sent in, the final vic-Kirkland Lake Mines. According to tory for the Victory Loan seems as-

> The following telegram was received vesterday by The Advance.

Ottawa, June 18th, 1941 Canada's 1941 Victory Loan should reach its minimum objective by Friday, if the present rate of progress is maintained. The total up to Tuesday night stood at \$538,773,000 from 603,088 individual subscribers. National headquarters will not be satisfied with the nominal objective. Canada's Torch of but let us make it go handsomely, G.

-Dominion Publicity Committee

Census Enumerators are Busy at Work in District

of Cochrane, is the head of the census | for taking the census this year in view should be given to the enumerators work for the District of Cochrane, and of the cost and the general war situ- | The enumerators should be given has the work thoroughly organized all ation, but there can be no honest dif-The activities in connection with the through the district. The taking of ference of opinion as to the co-oper- difficult task and are giving it the best Victory Loan have perhaps put the less the census is a big undertaking with ation that should be given by all in effort and talent and so deserve the spectacular work of the census-taking many difficulties. There may be dif- view of the fact that the census is goodwill as well as the ready assistance in the shade. Sheriff John D. Mackay, ference of opinion as to the necessity being taken and that every assistance of the general public.

help and co-operation. They have a

FROAD WAY DELUXE SHOWPLACE OF TIMMINS

Opens Its Doors Tomorrow Friday, June 20 at 6.30 p.m.



"It's in the Air"

Take The Town By Storm

Critics acclaim George Formby as the comedy

"find" of the year. Record-breaking audiences

have rocked theatres with laughter everywhere.

The Broadway is proud to present this great

comedy to the theatre-going public of Timmins.

"You'll Enjoy It Too in The New Broadway"

STARTS FRIDAY, 7 p.m. FOR ONE WEEK

ALL SEATS OPENING NIGHT 40c plus 8c tax 48c

NEW THRILLS . . Come to this theatre to get all the pleasure of motion pictures. We have just installed the amazing new RCA Photophone "Magic Voice of the Screen" Sound System that will double your enjoyment of the great pictures we have coming.

Watch, Future Announcements For Our Parade of Hits!

Luxurious Surroundings Are Broadway Features