### pics of Day Wins a Place In U.S. Studies

dy Approved Curriculum Brooklyn College College Shows the Trends in Courses

w York -The recently approved two years ago as New Yorke public institution of higher ing, gives an indication of the types of courses winning their into higher education. Firmly ig on the traditional disciplines quipments, the curriculum yet the stamp of contemporary in and sympathies. What were at Brooklyn as essentials of a

the physical sciences the recenin the provision of "special s, and physical chemistry in the ment of chemistry. Newer ctive courses little heard of in eral arts college of two decade n a full exposition of the fun-

DVATION IN PHILOSOPHY flosely related development in er field is the inclusion in the igs of the department of philof a special course in mathe logic, our whn century's con on to the alluring borderland m mathematics and philosophy. he economics department, it is aid to "Buriness Fluctuations of the various proposals for renation and control of our econf the day, international trade opinion and its mineras bearcorded special emphasis in a in the department of governtalking to not only the issues thods of political parties but inttention to the newspaper the "pressure group:

OF MODERN AFFAIRS. social science subjects register t in historical, political and sowpoints. The economic and satory of Europe occupies the atand related historical devela in Eastern Europe, long a to when "Europe" was r t for Western Europe, has es, emphasis is of Latin America and on the

dwanced and made and modern its, both those dealing with ind Latin and those dealing sench, Italian, German and

course in pedagogical nethods

#### Farmers Asked Conserve All Horses

- Following the recent of measures designed to rewe and restore the nation's

rtakings have not cared suit-Consequently, horses have I in number and depreciated in most of the Soviet repubis, obviously, the resolution has harmful consequences ture, where the horse has exrec-drawn transport is imand in the defense of the a which the cavalry remains

prescribing that, henceforr feeding and care of horses. all the strictness of the

## Changes in Matter Under Great Heat

Higher Temperatures Give New Knowledge to Man

At the Zeiss works in Jena, Germany, Dr. Cohn has collected the rays of the sun in a mirror and focused them on some zirconium exide, which melted at 5.432 degrees Fahrenheit. Encouraged by this success, Dr. Anderson of Mount Wila gigantic solar furnace composed of but the main ones have been selected the following solution: feet in diameter. With this system he hopes to attain a temperature of 10,000 degrees Fahrenheit.

Investigations of this type are necessary if we are ever to solve the problems presented by matter. We Hearts-K. 6, 5 live in a world of low temperature. Clubs-8 New worlds, one after another, are Diamonds-8, 4 revealed as normal temperature by Spades-8 100 degrees and even less. If water can be changed into steam by a rise of temperature to 212 degrees Fahrenheit, and fron becomes an incandescent liquid when it is melted at 1,500 degrees Centigrade (2,786 seven tricks against the best defense? diamonds at trick two. degrees Fabrenheit), what would The only correct play is for Z to lead

By high temperature the physicist hearts. If the nine of hearts, Z should means anything over 500 degrees cover with the jack, A with the king by A at trick two, if Y trumps with Centigrade (932 degrees Fahrenheit), and Y with the ace. There are numgins at 1,000 degrees Centigrade spades, Y wins the trick with the is no more magnetism; some inex- card or trump. If the former, Y also plicable change has taken place in leads his trumps and wins the balance

we have oxy-hydrogen and oxy- last trick with the deuce of hearts. The situation is as follows: acetylene flames. With their aid the rebellious molecules of platinum melt at 3,200 degrees Fahrenheit. Only a little higher-484 degrees Fahrenheit more, to be exact-and all matter becomes a conductor of Hearts-K, 6, 5 electricity.

At 5,432 degrees Fahrenheit tungsten melts-the metal of which the Spades-none filaments in electric lamps are now made. We are still in the primitive stage of being constrained to burn or heat something to incandescence , It should be evident that A B must In order to create artificial light. now win two heart tricks no matter the nine of spades at trick one, forcing The higher the glowing point the how Y Z play. By doing so, Y Z only Y to win the trick. A lead by Y at trick brighter the light. Hence the years score three tricks so the lead of a dia- two of either a trump or a club will do spent in research by Dr. Coolidge to mond at trick one by Z is clearly in- him no good and, with this opening, Y discover a way to felt together the correct. particles of brittle refractory tung- should be noted is that to the lead of clusion is obvious, therefore, that the sten, normally a powder, so that it the five of diamonds by Z at trick one, only correct opening lead by Z that

can be drawn into a fine wire. eules of a metal into furious activity. is for B to overtrump with the queen This problem has been analyzed at Metallic arcs, used in welding, drive and then lead the nine of hearts. An such great length because every variathem to a frenzy indicated by 3,600, analysis of this defense will show also tion give is tricky and interesting. 3,800 degrees Centigrade (6,512-5,872 that Y Z can win only three tricks. The write would suggest that each of degrees Fahrenheit). Higher still trick on in incorrect which are the variations be p' red out and tested arcs-3,900 degrees Centigrade or 7.- with the ten of hearts. 000 degrees Fahrenheit. Steel is \_\_\_\_ now melted by them, one hundred Bone Chewing Cows are so huge that they are pushed

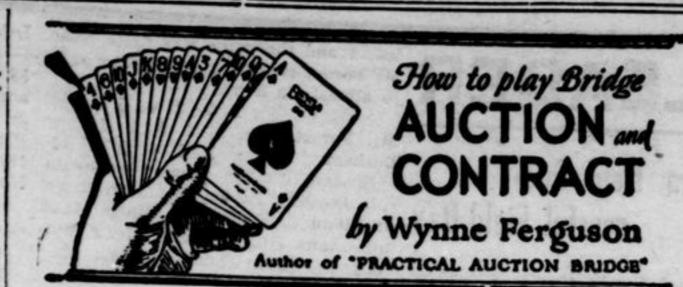
forward by electric motors. Molecules can be lashed into fury Depletion of Mineral Reserves en radio principles. So we have the induction furnace invented by Dr. Edwin F. Northrup while he was a professor at Princeton. Not only is steel melted in this furnace but a much higher temperature has been vaporized from a large chamber quarts of milk a day for 40 weeks, will can be returned to normal condition by heated to 3,600 degrees Centigrade include in the milk produced 32 pounds the use of a tonic containing phos-(6,512 degrees Fahrenheit). Ordi- of mineral substance. The source of phoric acid, in addition to the supple-Bary rocks of silica or magnesia the mineral substance in milk is in the base are torn apart and changed into mineral salts of the feed eaten. If the vapors. Bits of wood flash into gas feeds supplied to the cow during the before they apparently even enter period of no pasture do not contain sufthe heating chamber. The gas thus ficient mineral matter to supply the

furnace apart. has thus far produced is 45,000 de- incorporated in her skeleton. Of per decoration of the avenues to a grees Fahrenheit, obtained by pass- course there is a limit to this, and trou- dockyard. ing 50,000 volts through a fine tung- ble follows when the supply of minsten wire. A blinding flash, a report, erals runs low. Three things may happuff of air—that is all. No earth- pen, a reduction in milk production, a ed a beautiful scene. We rode through ly measuring instruments ould stand weakening of the bones, a stiffness of woods of oak which were sometimes up under the heat. Even at 5,000 the joints and a loss of condition. The close, and sometimes open. The road, degrees Fahrenheit the methods of animal tries to offset the drain on her which was everywhere ample, presented measurement are poor—the result of body by eating unnatural things, such us in one place with an irregular vista; calculation rather than of exact comparison with accurate standards.

Eddington's estimte of 72,000,000 degrees Fahrenheit for the interior of the sun is highly imaginatve and stands on a very shaky foundation. ---

RESOLUTION

Without the resolution in your hearts to do good work, so long as your right hands have motion in them; and to do it whether the issue be that you die or live, no life worthy the name will ever be possible to you, while, in once forming the resolution that your work is to be well done, life is really won, here and forever. And to make your children capable of such resolutions, is the beginning of all true educa-



ARTICLE No. 25 It isn't often that a problem can and analyzed as they all contain good arouse such interest as the following points of play that come up frequently sen Observatory is now constructin is almost impossible to cover them all, worth while. Try it out before reading

Problem Hearts-A. 10, 8, 2 Clubs--7, 4 Diamonds-none Spades-Q Hearts-J. 3 Clubs-5, 2 Diamonds-5

Hearts are trumps and Z is in the foregoing represents the solution and lead. How can Y Z win four of the variations when A leads the eight of

Hearts-Q. 9, 7

Diamonds-none

Spades-10, 7, 5

Hearts-Q. 9, 7

Diamonds-none

Clubs-none

Spades-7

happen at 10,000 degrees Fahrenheit? the deuce of clubs, forcing A to win at trick two. Y wins this trick with As the temperature rises, matter the trick with the eight of clubs. A can the queen of spades and should now becomes freer and freer. Atoms now make any one of three leads. (1) lead the deuce of hearts. B should play The ripe grass waving on the hill: break from molecules, and at last, He may lead the eight of diamonds or the seven, Z the jack and A should win in the blazing sun and the stars on (2) the eight of spades or (3) the five with the king. B can now make only I lean across the paddock pale high, even electrons escape from of hearts. The eight of diamonds is the queen of trumps. Suppose at trick And gaze upon the giddy mill. atoms. In the glow of an electric the ten of hearts and B should overlamp and the fierce blaze of the sun trump with the Queen. B may now trick. Therefore, all three possible Cut thro' the air: with rushing sound a final, great moment is reached: lead (a) the nine of hearts or (b) the plays by A after Z leads a club give Y Each strikes in fury down the steep, light is the apotheosis of motion. five of spades or (c) the seven of Z four tricks.

the ten of trumps and B refuses to at which the first faint glow of red erous variations but none present any overtrump, Y should lead the queen of On high within the open door. appears in iron. "White heat" begins at 1,000 degrees Centigrade spaces. Y wing the trick with the (1,832 degrees Fahrenheit). Some queen of spades and leads the deuce of Z should play the jack and force A to twenty-eight metals melt at about hearts, allowing B to win the trick with the king. In this His tireless merry slave the wind that temperature. Long before it is with the seven of hearts. B should way also Y Z win four of the seven Is busy with his work today. tricks. These variations are all posreached (at 800 degrees Centigrade now lead the ten of spades, Z plays or 1,472 degrees Fahrenheit) there the jack and A is forced either to disthe deuce of clubs and, if properly discards; if the latter, Y overtrumps, No other lead is correct. Most of the of the tricks. At trick three, B's best Blow into coal fire with a blast lead is the seven of hearts. Z and A solvers thought the five of diamonds The circling millstones faster flee,

that has the fury of a tempest. The should play low and Y wins the trick was the correct lead allowing A to win The shuddering timbers groan within, effort is useless in driving the tem- with the eight of hearts. Y should now the trick and on which Y should dis- And down the shoot the meal runs perature still higher than that of lead the queen of spades and all fol- card the queen of spades. This solumolten iron. The chemist steps in low. He should now lead the ace of tion, however, is incorrect. \*\*\*... and gives us inflammable gases trumps and follow with the seven of A should lead the eight of clubs and The miller giveth him no thanks, which he combines with oxygen. So the king of hearts. Y ow wins the have oxy-hydrogen and oxy-

> Hearts-A. 10, 8, 2 Clubs-none Diamonds-none Spades-none Hearts-J. 3

Diamonds-none

Another suggested solution that make the proper defense. The con-A play the eight and Y trump with the will enable him and his partner to win Electricity galvanizes the mole- ten of hearts. The defense of this play four tricks is the deuce of clubs. trick one is incorrect whether Y dis- from every angle. It is impossible to I who have lain without a sound

in the Body. One of the

Factor in Milk Pro-

duction Shrink-

A cow producing an average of six

Cross Baby

"Baby was awfully fretful," writes

Mrs. H. A. Flewelling, Ripples, N.B.,

"until I started giving BABY'S OWN

TABLETS. Now he is just wonder-

fully well." BABY'S OWN TAB-

LETS are the ideal

treatment for chil-

dren's colds, fever,

colic and upset

stomach. Harm-

less. See certi-

ficate in each 25c

package. 237

Diamonds-4

is the temperature of the carbon cards the queen of spades or trumps find a better problem than this one as In my dark coffin underground, a test of sound, careful play. as bones and wood. The bone and Unfettered now the springing sodwood chewing may supply in part what Up from the pulsing soil the clod the cow needs and has a craving for. Reaches to that forgotten blueusually lime and phosphorus. If the A soaring flight that I share, toohabit of bone chewing has developed For I who lay in narrow earth in your herd of cattle, during previous Now know the miracle of birth. years, try and offset it this year by using steamed bone flour, or any mineral mixtures containing lime and phosphorus. Cows that are already in

Z can make only three tricks if A B

bad shape through mineral deficiency

An Avenue of Trees Everywhere, as we approached generated by a quarter of an inch demands of milk secretion, the cow is Portsmouth, we saw quantities of timcube is almost enough to blow the then at a loss to continue to secrete ber lying near the road, ready to be milk in a normal amount, unless she conveyed to the King's magazines. The highest temperature that man draws on the minerals that have been This is both a picturesque and a pro-

terspersed with trees, or of patches of wood. The whole is so beautiful a piece of nature that if it were placed in an improved scene, it might be made, with very little art, to unite with the high style of decoration .--From "Observations on the Coasts of Hampshire, Sussex and Kent," by W. Gilpin.

### ----

COURAGE Take courage, for in good time, God will relieve thee of thy burden. He is mighty to help, and He will cause a blessing to spring from that which thou now deemest an inexhaustible source of sorrow. He will not leave thee nor forsake thee. Cling to Him, and He will hold thee up with His strong arm.-Zschokke.

# Lost Ugly Fat Her Husband says she Looks

There is a certain weight at which every woman looks her loveliest—not skinny underweight nor pendulous overweight, but normal weight. We find artists, doctors, theatrical producers (and husbands!) all agreed upon this point. Read what this

Five Years Younger!

"Having heard from a friend of mine that she had lost considerable weight since taking Kruschen Salts, I started using them in July last, when I weighed 177 lbs. I have lost weight steadily since then, and am now 159 lbs.-my normal weight. Moreover, I feel brighter and more energetic in every way. My age is 29. My husband is a very severe critic. He says I look five years younger. There is no other reason for my loss of weight except Kruschen, as I do not take any particular diet."-Mrs. S. R.

Taken every morning, Kruschen effects a perfectly natural clearance of undigested food substances and all excessive watery waste matter. Unless this wastage is regularly expelled, Nature will eventually store it up out of the way in the form of ugly fat.

#### The Windmill

Rattles, and whirls in chase around.

played by both sides, give Y Z four of He bath a will and knows the way He gives the creaking sails a spin,

free.

The figures in his dusty book. -From "The Poetical Works of Robert Bridges."



He-"The woman I marry shall have everything money can buy." She-"I supose that's why you are looking for a wife with money."

### First Daffodil

-Edith Lombard Squires in the Christian Century.

## What New York Is Wearing

BY ANNEBELLE WORTHINGTON Illustrated Dressmaking Lesson Fur-

nished With Every Pattern



Importance of the jacket dress can t be over-estimated.

And here's quite a darling. The shut. Some girls expect a man to Toronto. brief bolero may be made with short bring enough sunshine into their lives or long sleeves, just as you please to give them a coat of tan. An amaabout it. For warmer weather wear, teur never knows how bad he is until you'll probably choose the former. The dress made with dropped shoulders gives the effect of tiny cap sleeves. The skirt is widened through

inverted plaits at either side. that I should avoid dampness It's adorably smart in cadet-blue checked wool crepe. The plain crepe tor, approvingly. tones with the checked crepe. Printed crepe silk with plain crepe

jacket is exceedingly wearable. Style No. 2769 is designed for sizes 14, 16, 18, 20 years, 36, 38 and 40 inches bust.

For summer, it's sportive in white is always telling you he never felt crinkle or flat crepe with the jacket younger in his life. bow tie of marine blue crepe. Size 16 requires 2% yards 39-inch material, with 1 yard 35-inch con- oni Vermicelli, please."

Waiter-"Very sorry, sir, that's the trasting. proprietor, sir." HOW TO ORDER PATTERNS. Write your name and address plain-Auntie-"Well, John, and how do ly, giving number and size of such you like your new baby brother?" patterns as you want. Enclose 20c in Four-year-old John-"Asleep."

it carefully) for each number, and address your order to Wilson Pattern Spain engaged in during the seven-Service, 73 West Adelaide St., Toronto teenth century?" \_\_\_\_

stamps or coin ( coin preferred; wrap

Development of Land

Aids Chinese Farmers Nanking-More than 2500 farmers Tommy-"One, two, three, four, five, and laborers from the famine areas six, seven." of Shantung Province, who are seeking new homes and work, have ar-Now hear the stirring roots of trees, rived at Chengchow on their way to perfect." The brown earth rising to her knees, Loyang, the new capital. The Wife-"Oh, yes, I know it, but I was Chinese officials will send these people to the Northwest, where they will be given land to cultivate and to help in developing the territory. Refugees from other sections of the country are being encouraged to go to the Northwest for the spring

### Brushing the Enigma



An attendant brushes a mysterious wood carving that stands at Chatham, near London, England. The one-armed figurehead was taken from the old battleship, H.M.S. Rodney; but whom does it represent? Certainly not Admiral Rodney, after whose wife was named the present liner, Lady Rodney, of the Canadian National's West Indies fleet; for there is no resemblance with existing paintings of the admiral. British authorities say your guess is as good as theirs .- Photo Canadian National Railways.



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No man should make a bigger gar-

you have the old bus and ten gallons |

of gasoline, the world is before you.

he tries to turn professional.

Diner-"Waiter, two orders of Spum-

Teacher-"How many wars was

Teacher-"Seven? Please enumerate

Husband-"You know, dear, I'm not

"Mrs. Symes had to take her daugh

"Yes, I remember Symes was ner

yous even as a kid, but his mother

Scotch Wife - "Ach, Sandy, the

Scotch Husband-"Weell, let him

ha've it-to-morrow's his birthday.'

"That young Johnson is a chip

"Are you a spinster?" said the

clergyman officiating at a Lancashire

"No," replied the bride; "I am

Just a little advance notice passed

Three-year-old Nancy's father had

music, speeches and station announce

paused a moment, and then said: "Te

will be another prayer."

are. Figure this out.

morrow night at this same time there

If some men were half as good as

they expected their wives to be they

would be five times as good as they

WOO

HIGHEST PRICES PAID

The Canadian Wool Co. Ltd.

2 CHURCH ST., TORONTO

ISSUE No. 23-'32

the old block, isn't he?" "Rather

didn't take him abroad, she took hir

ter abroad for her nerves. She inherit-

ed nervousness from her father."

Tommy-"Seven, sir."

not aware that you did."

across her knee."

baby's swallowed a penny."

tooth of the old rake!"

wedidng.

on to us:

Splinters

A man can never be a true gentle-

den than his wife can hoe.

BABY CHICKS S AVE \$2 PER HUNDRED. LEG-HORNS, 8 sents; Rocks White, Rock's Red, 10 cents; delivered any time. Month olds, 18c. Pullets, all ages, prices furnished. Model Hatchery, Kitchener,

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Summer time is here. So long as C. Ltd., Toronto.

AGENTS WANTED. T XPERIENCED HOUSE CANVASS-ERS, must finance product. Dainty Biscuit Products, 18 Indian Rd., Terento.

### RHEUMATISM.

man in manner until he becomes a true think they are broadminded when they merely are too lazy to form an opinion. eumatism, lumbago, neuritis or sci-The safest way on earth to keep out and lasting relief given sufferers. No of trouble is at once the simplest and harmful drugs. Sent post paid on rethe hardest. It's keeping one's mouth | Throil Remedy Co., 468 Annette Street,

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RICH RDSON DOUBLE CABIN "You remember when you cured my glassware and silver as well as all marrheumatism a couple of years ago," ine equipment and many extras. This asked the patient, "and you told me equipped galley is an unusually comfort-"Yes, that's right," replied the doc- ceptionally seaworthy and has cruised "Well, I've come to ask you if I can six-cylinder power plant with complete electric lighting throughout and speed cial paint job and very attractive in ap-You can always tell when a man has pearance. Owner will sacrifice for naif passed middle age. He is the one who Adelaide St., Toronto.

> Earn \$35 Weekly HOME Ideal Mushroom Co., Islington, Ont.







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# installed a new radio. Nancy listened with rapt attention to everything— VARICOSE ments. That night she knelt to say her "Now I lay me." At the end she

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or elastic, can be washed as often as necessary, and will wear for a long, long Writ. for Descriptive Literature.

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