# didndidy <br> CANADA'S CHESS MAGAZINE FOR KIDS 

 MARCH 2019number 143


HOCKEY KNIGHT IN CANADA
WAYNE ROOKSKI INTERVIEW

## SNEAKY PAWNS part 2

## SCHOLAR'S MATE

Canada's Chess Magazine For Kids On-line and free!

The Chess'n Math Association publishes Scholar's Mate four times per year as a PDF document. You can read the "e-magazine" on your computer screen or print it out.

The magazine can also be viewed in DNL format, with pages that actually turn! A free DNL Reader can be downloaded from the CMA website.

## www.chess-math.org

If you have any questions about the magazine, please contact us at:
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## SCHOLAR'S MATE

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March 2019 (date of issue)


The snow isn't gone yet, but springtime is here. You know what that means. It's Chess Challenge season again. Are you competing this year?

Congratulations to the Montreal superstars Shawn Rodrigue-Lemieux and Kevin Zhong for becoming New York state high school and junior high chess champions! See the news pages for the full story.

Don't forget about the Chess'n Math ambassador and bursary program. Do you know somebody that should be nominated? Check out page 10.

Here's the mag.


## SCHOLAR'S MATE MARCH 2019



Kiril's Klass
How Tricky Are Your Pawns?

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A single pawn is usually not very sneaky by itself. But when there is a group of pawns working together, they can sometimes be very tricky!

In our last class, we looked at several endings where an equal number of pawns were facing each other. And somehow one side still forced a promotion!

Diagram \#1 shows another example of the same thing. The white king is "out of play" and Black is about to march over and capture all the white pawns. It's time to get sneaky. 1.f5! Black has three choices but none of them can stop White from breaking through.
1...exf5 2.h5! gxh5 (2...f4 3.hxg6 fxg6 4.e6 f3 5.Kd1 Kd3 6.Ke1 or 2...Kd4 3.hxg6 fxg6 4.e6) 3.g6! fxg6 4.e6 1-0
1...gxf5 2.h5 f4 (2...Kd4 3.h6) 3.h6 gxh6 (3...f3 4.Kd1) 4.gxh6 f3 5.Kd1! Kd3 (5...f2 6.Ke2) 6.Ke1! 1-0
1...Kd4 2.h5 (2.f6 also wins.)
2...Kxe5 (2...exf5 3.hxg6 or
2...gxh5 3.g6 fxg6 4.fxe6)
3.f6! (3.h6? gxh6 4.gxh6 Kf6) 3...gxf6 4.h6 1-0

The following endings have imbalanced pawn structures. However, White must still use trickery to make a passer.


In position \#2, the natural move is 1.Kb2?, but that loses to $1 \ldots . . K c 6$ 2.Kc2 (2...Kb3 Kd5) 2...Kd5 3.Kd3 b3 4.Kc3 b2! The winning move is $1 . d 5$ ! "Excuse me, coming through."
$1 . . . e x d 5$ 2.e6! Now a second pawn is offered.
2...Kd8 3.exf7! 1-0 (3.e7+? Kd7 4.Kb2 d4 5.Kc2 =)
2...fxe6 3.f7 Kd7 4.f8=Q 1-0 And the third pawn gets the glory!
1...Kd7 2.d6! The protected passed pawn wins easily. 2...Kc6 3.Kb2 Kd7 4.Kb3 Kc6 5.Kxb4 1-0

White scores the point in diagram \#3 by sacrificing a pawn to create two widely separated passers. 1.f6+!
1...Kf7 2.fxg7 Kxg7 3.e6 Kf6 4.h6 Kxe6 5.h7
1...gxf6 2.h6! Kf7 3.e6+!
3...Kg6 4.e7
3...Kxe6 4.h7 1-0
(Other first moves lose:
1.e6? Kf6 2.Kc2 a2 or
 1.Ka2? c2.)

It's normally good strategy to centralize your king in an endgame. But in example \#4, White loses after 1.Kd4? Kd6. The outside passed pawn on the b-file will force the white king away from guarding e4. Did you guess the best move?

## 1.e5!


1...fxe5 2.g5! Coming through.
2...Kd7 3.f6! Ke6 (3...gxf6 4.gxh6 Ke6 5.h7) 4.fxg7 Kf7 5.gxh6 b5 6.Kc3 Kg8 7.Kb4 e4 8.Kc3 Kf7 9.Kd4 b4 10.Kxe4 b3 11.Kd3 1-0
2...hxg5 3.f6 (3.h5? Kd5 4.f6 Ke6 0-1) (3.hxg5? Kd6 =) 3...gxf6 4.h5 g4 5.h6 g3 6.Ke2 1-0
1...Kd5 2.e6! Kd6 3.Kc4 Kc6 4.Kb4 The protected passer on e6 ensures victory.
4...Kd6 5.Kb5 Kc7 6.Kc5 Kd8 7.Kb6 Kc8 8.h5 1-0 (8...Kb8 9.e7 or 8...Kd8 9.Kxb7)
4...b6 5.Kc4 Kd6 6.Kb5
6...Kc7 7.h5 (8...Kb7 9.e7 or 8...Kd6 9.Kxb6)
6...h5!? 7.gxh5 Kc7 8.h6! gxh6 9.h5 1-0



Things look even in number \#5. If anything, Black seems better because their king is closer to the opponent's pawns.
White actually loses if they try to guard the c-pawn.
1.Ke2? Kb2 2.Kd3 Kb3!
3.g3 (3.c4 h4! or 3.Kd2 c4!)
3...f4! 4.gxf4 gxf4 5.h4 Kb2!

6.Kc4 [6.c4 Kb3] 6...Kc2
7.Kxc5 Kxc3 8.Kd5 Kd3 9.Ke5 Ke3 10.Kf5 Kxf3 0-1

But there is a way to win. White does the sneak with 1.g4! 1...fxg4 2.h4! The sacrificial trick.
2...gxf3 3.hxg5 h4 4.g6 h3 5.Kg1! 1-0
2...gxh4 3.f4 Kb2 4.f5 Kxc3 5.f6 c4 6.f7 Kd2 7.f8=Q c3 8.Qd6+ 1-0
[ For example, 8...Kc1 9.Ke2 c2 10.Qb4 h3 11.Qb3 h2 12.Qa2 h1=Q 13.Qa1\#]
1...hxg4 2.f4 Same trick, other side.
2...gxh3 3.fxg5 f4 4.g6 f3 5.Kg1 1-0
2...gxf4 3.h4 Kb2 4.h5 Kxc3 5.h6 Kd2 6.h7 c4 7.h8=Q 1-0

Well, friends, that wraps up another lesson. I hope you enjoyed getting sneaky! See you next time.

## Chess Excellence Program 2018-2019

The Chess'n Math Association is proud to announce a new program, created to recognize the talent and hard work of Canadian chessplayers who participate in CMA events. The "Players of the Year" will become Chess'n Math Ambassadors and receive a special jacket with their name embroidered on the front.


| \$10,000 in Bursaries |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| des K-3 | player of the year (vote) | highest rating | female player of year (vote) | $\begin{aligned} & \text { top 2-20 } \\ & \text { rating (draw) } \end{aligned}$ |
| Quebec | \$200 | \$100 | \$100 | \$100 |
| Ontario | \$200 | \$100 | \$100 | \$100 |
| West | \$200 | \$100 | \$100 | \$100 |
| Atlantic + Prairies grades 4-6 | \$200 | \$100 | \$100 | \$100 |
| Quebec | \$300 | \$150 | \$150 | \$150 |
| Ontario | \$300 | \$150 | \$150 | \$150 |
| West | \$300 | \$150 | \$150 | \$150 |
| Atlantic + Prairies grades 7-12 | \$300 | \$150 | \$150 | \$150 |
| Quebec | \$500 | \$250 | \$250 | \$250 |
| Ontario | \$500 | \$250 | \$250 | \$250 |
| West | \$500 | \$250 | \$250 | \$250 |
| Atlantic + Prairies | \$500 | \$250 | \$250 | \$250 |

West $=B C A B \quad$ Atlantic + Prairies $=$ NB NS PE NL SK MB
RULES
To be eligible for any prize, a player must be a Canadian resident and play at least 25 CMA rated games ( 30 in ON and QC) between September 1, 2018 and June 30, 2019. Players who switch provinces during this time are ineligible. Highest rating determined on June 30, 2019. Only one prize per person.

Nominations for player of the year must be submitted by June 1, 2019. A form will be available on the CMA website. The criteria are exceptional results or significant improvement, sportsmanship, and model behaviour in the chess community. A biography and reason for nomination must accompany the form. The voting committee will consist of one representative from each province.

|  |  |  | P0 T |  |
| :---: | :---: | :---: | :---: | :---: |
| KINDERGARTEN |  |  | GRADE 7 |  |
| 1 TSUKERMAN Leon | 662 | QC | 1 ISSANI Nameer | 2224 ON |
| 2 GONG Leale | 620 | AB | 2 KANG Dorian | 2222 ON |
| 3 WANG Lucas | 616 | QC | 3 NOOR ALI Aahil | 1967 ON |
| 4 QIAN Ashley | 611 | ON | 4 RUSONIK Max | 1952 ON |
| 5 PICHETTE Leo | 576 | QC | 5 GAO Raymond | 1748 ON |
| 6 GHATTAS Samuel | 550 | QC | 6 CRACIUN David | 1745 QC |
| 7 LOW Ethan | 539 | BC | 7 GU Chuyang | 1708 BC |
| 8 YANG Jayden | 533 | ON | 8 JEYAKUMAR Bhavatharshan | 1661 ON |
| 9 CHEN Tymon | 508 | ON | 9 JACOBS Michael | 1604 ON |
| 10 ZHU Forrest | 496 | BC | 10 WU Lucian | 1601 BC |
| GRADE 1 |  |  | GRADE 8 |  |
| 1 WU Nicholas | 1050 | BC | 1 HUANG Qiuyu | 2471 QC |
| 2 YANG Nathan | 921 | BC | 2 TANAKA Tyler | 2291 QC |
| 3 HUANG Justin | 879 | ON | 3 RICHARD Leo | 2100 QC |
| 4 GAO Heye | 836 | ON | 4 DOKNJAS Neil | 2071 BC |
| 5 JOHNSON Joshua | 827 | $A B$ | 5 TIAN Sherry | 2000 BC |
| 6 JIN Linus | 821 | $A B$ | 6 ZHAO Jeffrey | 1942 ON |
| 7 TSO Justin | 819 | ON | 7 LOW Kevin | 1925 BC |
| 8 MARCHAND Calix | 805 | NS | 8 HUANG Patrick | 1922 BC |
| 9 CHEN Jason | 798 | NS | 9 ENGLAND Max | 1918 ON |
| 10 WEI Zihua | 777 | QC | 10 WU Tony | 1826 QC |
| GRADE 2 |  |  | GRADE 9 |  |
| 1 ZHONG Ryan | 1144 | ON | 1 RODRIGUE-LEMIEUX Shawn | 2611 QC |
| 2 QIN Weixuan | 1143 | QC | 2 VETTESE Nicholas | 2444 ON |
| 3 QU Jayden | 1093 | BC | 3 HEMSTAPAT Andrew | 2370 BC |
| 4 GAO Justin | 1076 | BC | 4 ZHAO Ian | 2264 AB |
| 5 GUILLEMETTE Hugo | 1075 | QC | 5 DURETTE Francis | 2236 QC |
| 6 DUVAL Mathieu | 1063 | QC | 6 LIN Benjamin | 2126 ON |
| 8 ZHOU Xiaoran | 1050 | QC | 7 ZHONG Wenxuan | 2007 QC |
| 9 HU Richard | 1030 | QC | 9 PAPNEJA Arul | 1882 BC |
| 10 DELAGE GODARD Felix | 1026 | QC | 10 ZHENG Victor | 1796 BC |
| GRADE 3 |  |  | GRADE 10 |  |
| 1 GEORGESCU-NICOLAU Luca | 1249 | QC | 1 HUA Eugene | 2451 ON |
| 2 TSENG Bradley | 1216 | ON | 2 TALUKDAR Rohan | 2383 ON |
| 3 FENG Benjamin | 1176 | ON | 3 DEMCHENKO Svitlana | 2347 ON |
| 4 LAU Joshua | 1162 | ON | 4 NORITSYN Sergey | 2294 ON |
| 5 LIU Lucas | 1148 | QC | 5 ZHANG Henry | 2221 ON |
| 6 GUO Richard | 1138 | ON | 6 SURYA Benito | 2162 ON |
| 7 BOROOMAND AryaCyrus | 1131 | BC | 7 GAISINSKY Adam | 2019 ON |
| 8 MANE Arnav | 1124 | ON | 8 VASIC Maxim | 1980 AB |
| 9 PUGACH Daniel | 1115 | ON | 9 LIU Daniel | 1978 ON |
| 10 RAMAMONJISOA Nikita | 1112 | QC | 10 FENG Richard | 1970 ON |
| GRADE 4 |  |  | GRADE 11 |  |
| 1 QU Greta | 1546 | ON | 1 OUELLET Maili-Jade | 2409 QC |
| 2 YAN Alex | 1540 | QC | 2 DOKNJAS Joshua | 2367 BC |
| 3 YANG Ryan | 1512 | BC | 3 LIANG Hairan | 2353 ON |
| 4 SONG Ethan | 1494 | BC | 4 CAI Jason | 2289 ON |
| 5 WANG Nathan | 1349 | ON | 5 LI William | 2271 ON |
| 6 HAN Johnathan | 1347 | ON | 6 LIU Lambert | 2228 ON |
| 7 LI James | 1328 | QC | 7 WOLCHOCK Theo | 2199 MB |
| 8 GAO Lucy | 1280 | ON | 8 MA Derek | 2191 MB |
| 9 JIN Alexander | 1280 | BC | 9 FAN Run Kun | 2136 ON |
| 10 XIE Daniel | 1259 | ON | 10 YIE Kevin | 2113 ON |
| GRADE 5 |  |  | GRADE 12 |  |
| 1 ZHONG Kevin | 2315 | QC | 1 CHEN Richard | 2527 ON |
| 2 ATANASOV Anthony | 2208 | ON | 2 ZHANG Yuan Chen | 2364 ON |
| 3 XU Daniel | 2131 | ON | 3 WAN Kevin | 2356 ON |
| 4 CHANDRA Anand | 2082 | AB | 4 GEDAJLOVIC Max | 2338 BC |
| 5 NING Eric | 2034 | ON | 5 SAHA Ananda | 2265 QC |
| 6 WANG Daniel | 1760 | BC | 6 ZHAO Harry | 2252 ON |
| 7 QIU James | 1537 | ON | 7 ZOTKIN Daniel | 2240 ON |
| 8 CHANG Alexander | 1526 | QC | 8 XU Jeffrey | 2221 ON |
| 9 LI Adam | 1505 | ON | 9 LI Yi Lin | 2144 QC |
| 10 CHAPDELAINE Gwyn GRADE 6 | 1500 | QC | 10 HIEBERT Kenji HONOUR ROLL | 2130 BC |
| 1 CHEN Max | 2228 | ON | 1 RODRIGUE-LEMIEUX Shawn | 2611 QC |
| 2 ZHENG Richard | 2164 | QC | 2 CHEN Richard | 2527 ON |
| 3 ZHAO Jeffrey | 1986 | ON | 3 HUANG Qiuyu | 2471 QC |
| 4 GUIPI BOPALA Prince | 1869 | QC | 4 HUA Eugene | 2451 ON |
| 5 HUANG Youhe | 1742 | ON | 5 VETTESE Nicholas | 2444 ON |
| 6 ZHANG Chu Hang | 1719 | QC | 6 OUELLET Maili-Jade | 2409 QC |
| 7 LIU Henry ${ }^{8}$ SRINIVASAN Hemant | 1682 |  | 7 TALUKDAR Rohan | 2383 ON |
| ${ }_{9}^{8}$ SRIUIVASAN Hemant | 1582 | ${ }_{\text {Q }}^{\text {Q }}$ | 9 DOKNJAS Joshua | 2367 BC |
| 10 AJITH Aayush | 1548 |  | 10 ZHANG Yuan Chen | 2364 ON |

## SAVIELLY TARTAKOWER

(1887-1956)
This witty grandmaster was one of the top ten players in the world during the 1920's. Born in Russia to Austrian and Polish parents, he later became chess champion of Poland and France.

"The winner of a game is the player who makes the next to last mistake."

CARO KANN DEFENCE Tartakower Variation 1.e4 c6 2.d4 d5 3.Nc3 dxe4 4.Nxe4 Nf6 5.Nxf6+ exf6

```
QUEEN'S GAMBIT Tartakower Defence
    1.d4 d5 2.c4 e6 3.Nc3 Nf6 4.Bg5 Be7
        5.Nf3 0-0 6.e3 h6 7.Bh4 b6
```

Dr. Tartakower was a lawyer by training but made his living as a chess journalist. His best known books are Hypermodern Chess (in German) and 500 Master Games. A very popular man, he was famous for his original openings and creative play.

## COMBO MOMBO !!

## SPOTLIGHT ON PINS



Many combos are based on pins. A piece is pinned when it is attacked and cannot move because the king or another valuable piece is behind it.
, White sacrifices their rook on h8 to pin the black g-pawn and force mate. 1.Re8+ Kh7 (1...Qf8 2.Rxf8+) 2.Rh8+! Kxh8 3.Qh6+ Kg8 4.Qxg7\#

曾 Black to move wins the exchange with 1...Qxe3+ 2.Rxe3 Bf4, pinning the rook (3.Bd2 Bxe3 4.Bxe3 b5).


## QUEBEC YOUTH

The 2019 Quebec Youth Chess Championships took place on March 1-3 in Montreal, with 50 participants in the five round event. Here are the champions and runners-up.
<8 Hugo Guillemette 5 Edouard Wang 4 Mathieu Duval $31 / 2$
<10 Barron Jiang 4
L. Georgescu-Nicolau $31 / 2$ Lucas Liu $31 / 2$
$<12$ Raymond Hu 4
Richard Bocan $31 / 2$
Prince Guipi Bopala 3
Zekai He 3
Alex Yan 3
Vincent Latorre 3
Kevin Omichi 3
$<14$ Richard Zheng 4
Julia Tsukerman 3½
Tyler Tanaka 3½
David Craciun 3½
<16 S. Rodrigue-Lemieux 41⁄2 Qiuyu Huang $\quad 31 / 2$
Gabriel Tinica $31 / 2$
$<18$ Yoakim Turgeon 2
(Under 16 \& 18 were combined.)


## ONTARIO JUNIOR

The 2019 Ontario Junior Chess Championship was played in Mississauga on January 12-13 with 149 participants.
The new champion is Eugene Hua (Hamilton), scoring $41 / 2$ out of 5 games. Last year's winner Nicholas Vettese (Toronto) was second with 4 points. The top girl was Svitlana Demchenko (Ottawa), who placed third.

## CALGARY YOUTH

Seventy players attended the 2019 Calgary Youth Chess Championship on February 9. The city champs are:
<8 Aulden Wright-Maley
<10 Jerry Ming
<12 Kevin Qin
<14 Ian Zhao
<16 Maxim Vasic
<18 Aditya Raninga

## MIKE McARTHUR

1955-2019
Chess has lost one of its best and most popular instructors. Michael McArthur passed away recently in Toronto after a brief illness. The Canadian national master taught and coached thousands of kids over the last twenty years. Rest in peace.

## NEW YORK

Forty-eight Canadian students took part in the 2019 New York State Scholastic Championship at Saratoga Springs on March 9-10. The trip was arranged by the Chess'n Math Association.
There was a total of 1228 players in the six round event, which is divided into four divisions by grade. Nine Quebec players finished in the top ten, winning trophies. Two of them are the high school and junior high champions! Congratulations Shawn and Kevin.

Shawn Rodrigue-Lemieux ( $51 / 2$ points, 1st place, high school) Qiuyu Huang ( $41 / 2$ points, 2nd place, high school)
Tyler Tanaka ( $4 ½$ points, 6th place, high school)
Gabriel Tinica ( $41 / 2$ points, 8th place, high school)
Kevin Zhong (5 points, 1st place, junior high)
David Craciun ( $41 / 2,7$ th place, junior high)
Rafael Adam ( 5 points, 3rd place, elementary K-6)
Prince Guipi Bopala ( $41 / 2$ points, 5th place, elementary K-6)
Lucas Liu (4 points, 10th place, primary K-3)
Other Canadians in the top 15 of the championship sections were Vincent Latorre ( $41 / 2$ points, 11 th K-6), Alex Yan ( 4,15 th K-6), and Arnaud Jutras (4, 12th K-1). Trophies were also presented to Marc-Andre Robert for top player rated under 1400 (high school) and Edouard Slive for 2nd best under 1600 (junior high).

## OTTAWA GRAND PRIX

The second tournament in the Ottawa Grand Prix took place February 10th with 57 players. The leaders in each section are: <8 Leon Cretel
$<10$ Jonathan Han
<12 Ankita Jain, Derek Wang <16 Oswin Ning
The third event will take place on March 31. There is a prize fund of $\$ 1500$ in gift certificates.



## TORONTO GRAND PRIX

There were 166 players at the second Grand Prix tournament in Toronto on February 10. The leaders in each age group are:
<8 Patrick O'Malley
<10 Larry Yang, Daniel Zhang
<12 Anthony Atanasov
<14 Vinushan Vijendra
$<18$ Lazarev Shon
The third and final event is scheduled for May 12. The total prize fund, sponsored by the Chess'n Math Association, is $\$ 3000$ in gift certificates.

## NOVA SCOTIA

The second and third events in the NSSCA Grand Prix were held January 6 and February 3 in Halifax. The current leaders in the "Crown Group", with one tourney to go, are Jerjis Kapra, Jiarui Gao, Madoc Sullivan.

## PRINCE EDWARD ISLAND

There were 52 players at the Prince Edward Island Provincial Chess Challenge on February 24 in Charlottetown. This year's grade champions are:
1 Channing Guo
2 Ankush Gowda
3 Sam Wang
4 Leon Liang
5 Michael Yao
6 Luke Dickie
7 Seamus MacEachern
8 Kevin Nguyen
9 Arnab Kundu
10 Linda Tan
11 Alvin Nguyen
12 SoumyaDeep Chowdhury


## PROVINCIALS

Here are the dates for the other provincial championships in the Canadian Chess Challenge.

| Newfoundland | March 16 |
| :--- | :--- |
| Alberta | March 23 |
| Nova Scotia | March 24 |
| Saskatchewan | March 31 |
| New Brunswick | April 13 |
| British Columbia | April 14 |
| Ontario | April 14 |
| Quebec | April 14 |

The nationals finals will be held in Vancouver on May 19-20.

## CANADIAN UNIVERSITIES

The 2019 Canadian University Chess Championship was held on January 12-13 at McMaster University (Hamilton) with 104 players. Two schools tied for first place. The winning team on tiebreak was University of Toronto, led by Mark Plotkin and Qiyu Zhou. Western University (London) placed second and Ottawa third.


2019 Canadian Champions
University of Toronto Joseph Bellissimo, Qiyu Zhou, Mark Plotkin, James Fu, (Zehn Nasir)

## ONTARIO GIRLS

The 2019 Ontario Girls Chess Championship was held March 2 in Oakville. There were 23 participants in the under 19 years old competition. The winner, scoring $41 / 2$ points out of 5 games, was Michelle Hua from Hamilton. Her victory qualifies her for the Susan Polgar Girls Invitational in St. Louis, Missouri next July. Lucy Gao (Toronto) finished in second place and Carina D'Souza (Toronto) came third.

## YET ANOTHER TWELVE YEAR OLD GRANDMASTER

For the third issue in a row, we report a new record for the second youngest person to ever become a grandmaster.
Dommaraju Gukesh of Chennai, India has earned the GM title at age 12 years, 7 months, 17 days. His third "norm" was achieved in an international tournament at Delhi, India in January.
Sergey Karjakin (Russia) remains the youngest player to become a grandmaster (12 years, 7 months, 0 days). World champion Magnus Carlsen (Norway) is sixth youngest (13 years, 4 months).


## NORTH AMERICAN YOUTH CHESS CHAMPIONSHIP

Kingston, Ontario August 16-20, 2019 Queen's University
9 rounds. Rated by CMA, CFC, FIDE. organized by Chess'n Math Association

Visit www.chess-math.org
for details on this exciting international event!


## CHESS'N MATH ASSOCIATION

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## HEY, FRIENDS! <br> I'VE GOT E-MAIL.

You can write me a letter or enter my contest at:
kiril@chess-math.org

## LTLY'S PUZZJ\&R

Hi boys and girls!
This rebus puzzle is called "Rex Check".
The diagram has letters instead of pieces.
Your job is to figure out which pieces the letters stand for. Good luck!
solution pages 48 \& 53


Each letter is a different kind of piece. For example, maybe K's are knights and C's are queens. The capital letters are one colour (white or black) and the small letters are the other colour. Figure out all the pieces and what the last move was. The position must be legal (reachable in an actual game).


1


MATE IN 2
White to play.
Force checkmate in two moves.

2

Can you solve these puzzles?
Send in your answers and maybe you will win the contest.

The prize is a set of chess pencils and a knight key chain.



## TRIPLE LOYD

Place the black king so that:
A. Black is in mate.
B. Black is in stalemate.
C. White has mate in 1

Enter the contest by mailing your solutions to:
kiril@chess-math.org
Deadline: May 27, 2019
One lucky person will win the drawing for a set of chess pencils and a knight key chain.

There were 3 correct entries for December's contest.
1 Mate in 2 1.Qb2 Ka5 2.Qb5\# (or 2.Qa3\#)
2 Triple Loyd A.Kc4\# B.Ka4= C.Ka6 (1.Bc8\#)
The winner of the drawing for a set of pencils and a key chain is

Alejandro Lopez of Montreal


LIVE FROM MARVIN SQUARE GARDENS! IT'S THE GAME OF THE WEEK. With your host Kiril the Pawn.
"Hello, sports fans! Welcome to the show. We have a great match lined up for you tonight. It's a playoff between two of the biggest names in the hall of fame. Wayne Rookski of the champion Royals takes on his old rival and fellow all-star Hockey Knight. It should be a good one, folks. We will be right back with the opening period after this message from our sponsor."

Today's presentation is brought to you by the people at the Chess'n Hockey Association. Their motto is:

Thinking straight is like smooth ice. It helps you skate and feels real nice.

## White WAYNE ROOKSKI

black HOCKEY KNIGHT
It looks like we're ready. All eyes are on the centre as the players get set. Wayne Rookski, wearing white, waves to his fans. And the crowd yells, "Go!"

1. e4
e5
The pawns face off.
2. Nf3

Rookski leads right with a knight.
2. .. . d6

Hockey Knight holds his strong point in the middle.
3. d4

White challenges him
3. . . .

Nf6
. . . and Black counters.


PHILIDOR DEFENCE (2...d6)

## 4. Nc3

Another knight comes up fast on the left wing to guard the e-pawn. Wayne dodges 4.dxe5 Nxe4!
4. ... exd4

Coaches prefer 4...Nbd7. But Hockey wants to mix things up and plays the "Ed move" instead.


Clearing lines with exd4 was first played in the big leagues by Royals veteran Edward Forward.

5. Qxd4

The Great One brings the queen out to centre ice.


After 5...Nc6, White pins the knight with 6.Bb5 and the queen can remain at her strong central post. (6...Bd7 is met by 7.Bxc6.)
5. ... Be6

Planning to trade bishops if white plays 6.Bc4.
6. Bg5

Rookski rushes to the pin.
6. . . . Be7

The "Big N" (that's what they call Hockey Knight) is fast to unpin.

## 7. O-O-O

White's goalie shifts left. Castling queenside is a number 99 specialty. He loves to get that rook on the open d-file.
7. . . O-O

The black squad sets up their defensive zone on the kingside. Now they're ready for ...Nc6.
And there's the buzzer! It's the end of the first period. Let's go rinkside to see if we can get a few words from the players.

"Big N , just one question. What are your thoughts on the game so far?"
"Well, Kiril, I feel good. I'm making lots of moves."
"Thanks for that insight, Hockey Knight. Now let's get back to the action."

8. e5

Rookski wins the face-off and charges across the blue line.
8. ... Nc6?

Hockey Knight trips over his own stick! Necessary was $8 . . . d x e 5$. The game is equal then following 9. Qh4 Nbd7 10.Nxe5 h6.

## 9. exf6!

99 darts towards the net.

## 9. ... Nxd4

The fans jump to their feet as the Big N captures the queen and raises his arms in the air.


10. fxe7

The e-pawn zigs, zags, and forks it way forward.
10. ... Qd7
11. exf8=R+

Rookski rooks his pawn!
12. Nxd4

Unbelievable. Wayne has four pieces for his queen. Now that's a power play!
12. . . . Re8

Hockey goes to the open file to kill the penalty.


The first shot on goal.
11. ... Rxf8

The rook in the corner hooks and unrooks.
13. Nxe6 Qxe6
14. Nd5

The Great One centres his knight for a fork on c7.

## 18. ... Rxe1+

Trading rooks leaves the black queen on her own. Not much chance for a short-handed goal here.

## 19. Rxe1 <br> h6

The h-pawn pushes out to clear the zone in front of the black goal.
But wait a second, folks! The computer has found something. It's coming up now on the big screen JUMBLETRON.
Check it out! White has a forced mate. Do you think Rookski will find it?


WHITE TO MATE IN 8
Wayne breaks for the net!

## 20. Re8+ Kh7

There's a slap shot by the bishop from the blue line.

21. Bd3+ f5

The f-pawn dives for the save! It's a quick goal after 21...g6 22.Nf6+ Kg7 23.Rg8\#.

## 22. Bxf5+ g6

Another save! The rebound comes to Rookski.


23. Re7+! Kg8

The Royals swarm the net.
(Can you find a mate in 3
if 23...Kh8?)
24. Be6+ Kf8

A point shot from the rook!
25. Rf7+

Kg8
Black blocks again. (It's mate in 1 after 25...Ke8.) Hockey Knight falls to the ice! I don't think he can
 hold on much longer.
26. Ne7+

Kh8
Here's Rookski from the slot. He shoots!
27. Bf6\#

HE SCORES!!!



## THE POSTGAME SHOW

## INTERVIEW WITH WAYNE ROOKSKI

"Good to see you, Wayne. That was one great finish!"
"Thanks, Kiril. My bishops did a super job. But it was a team effort. The rook and knight both get assists."
"Another big victory for the Royals. And a tough loss for Hockey Knight. Where was the turning point?"
"l'd have to say it was early in the second period when he accepted my queen sacrifice. That was a key play."
"You've got lots of admirers out there, Wayne. Do you have any advice for the kids just starting out?"
"Well, there's one thing I always tell them if they want to be good at this game. Practise hard and play easy."
"And could you explain how chess helps you at hockey?"
"Sure, Kiril. Chess improves concentration and it teaches how to look at all the angles."
"Okay, friends. You heard it here first. Sorry, but our time is up for today. Thanks to our special guest Wayne Rookski and also to Lily Pawn for her excellent camera work. This is Kiril the Pawn signing off."



PAST ISSUES OF SCHOLAR'S MATE
in PDF or DNL format are available at:

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Free and fun. What a deal!

You can write to
Kiril the Pawn at:
kiril@chess-math.org


Hedge Maze
St. Louis, Missouri


Only the white queen moves. Capture the black king in eleven moves (or less) without taking any pieces or moving to a square where the queen can be taken. Black does not get a turn.
solution page 53

## ONTARIO TOP TEN

## QUEBEC TOP TEN

| KINDERGARTEN |  | GRADE 7 |  |
| :---: | :---: | :---: | :---: |
| 1 QIAN Ashley | 611 | 1 ISSANI Nameer | 2224 |
| 2 YANG Jayden | 533 | 2 KANG Dorian | 2222 |
| 3 CHEN Tymon | 508 | 3 NOOR ALI Aahil | 1967 |
| 4 JAI Catelyn | 439 | 4 RUSONIK Max | 1952 |
| 5 DHIMOGJIKA Daniel | 424 | 5 GAO Raymond | 1748 |
| 6 ZHU Elber | 419 | 6 JEYAKUMAR Bhavatharshan | 1661 |
| 7 ONTIVERAS Lucas | 377 | 7 JACOBS Michael | 1604 |
| 8 ALLAKHVERDI Aidea | 352 | 8 SRINIVAS Atharva | 1594 |
| 9 ISKANDER Diyas | 348 | 9 PLOTKIN Julia | 1508 |
| 10 ZHANG Bohan | 303 | 10 SHEN Isamel | 1449 |
| GRADE 1 |  | GRADE 8 |  |
| 1 HUANG Justin | 879 | 1 ZHAO Jeffrey | 1942 |
| 2 GAO Heye | 836 | 2 ENGLAND Max | 1918 |
| 3 TSO Justin | 819 | 3 ZHAO Jonathan | 1631 |
| 4 PURI Ryan | 748 | 4 LI Wing Xiaolong | 1525 |
| 5 WANG William | 736 | 5 WANG Michael | 1509 |
| 6 SHAR Timur | 718 | 6 CHEN Hao | 1479 |
| 7 NAIBOGLU Onur | 698 | 7 MO Aidan | 1475 |
| 8 GUBCEAC Tim | 688 | 8 CHEN Harry | 1452 |
| 9 LI Triston | 672 | 9 WU Nicholas | 1412 |
| 10 XING Percy | 668 | 10 QIAO Joey | 1393 |
| GRADE 2 |  | GRADE 9 |  |
| 1 ZHONG Ryan | 1144 | 1 VETTESE Nicholas | 2444 |
| 2 PAULE Ezekiel | 978 | 2 LIN Benjamin | 2126 |
| 3 LIU Zi | 940 | 3 PAPNEJA Arul | 1876 |
| 4 O'MALLEY Patrick | 903 | 4 MIRABELLI Aidan | 1721 |
| 5 CHEN Rae | 898 | 5 LI Alan | 1687 |
| 6 DUANMU Isaac | 896 | 6 RAIZMAN Ruven | 1599 |
| 7 ZHU Jeremy | 877 | 7 AKOPHYAN Nick | 1590 |
| 8 WANG Arthur | 849 | 8 YANG Fan | 1589 |
| 9 GHAZARIAN Haik | 818 | 9 WASHIMKAR Arhant | 1584 |
| 10 BABICI Vladimir | 722 | 10 ZHANG Brighten | 1570 |
| 1 GRADENG Bradley | 1216 | 1 HUA Eugene | 2451 |
| 2 FENG Benjamin | 1176 | 2 TALUKDAR Rohan | 2383 |
| 3 LAU Joshua | 1162 | 3 DEMCHENKO Svitlana | 2347 |
| 4 GUO Richard | 1138 | 4 NORITSYN Sergey | 2294 |
| 5 MANE Arnav | 1124 | 5 ZHANG Henry | 2221 |
| 6 PUGACH Daniel | 1115 | 6 SURYA Benito | 2162 |
| 7 LAU Jayden | 1057 | 7 GAISINSKY Adam | 2019 |
| 8 ZUO Roger | 980 | 8 LIU Daniel | 1978 |
| 9 LEUNG Joseph | 976 | 9 FENG Richard | 1970 |
| 10 LI Andrew | 965 | 10 MING Wenyang | 1888 |
| GRADE 4 |  | GRADE 11 |  |
| 1 QU Greta | 1546 | 1 LIANG Hairan | 2353 |
| 2 WANG Nathan | 1349 | 2 CAI Jason | 2289 |
| 3 HAN Johnathan | 1347 | 3 LI William | 2271 |
| 4 GAO Lucy | 1280 | 4 LIU Lambert | 2228 |
| 5 XIE Daniel | 1259 | 5 FAN Run Kun | 2136 |
| 7 LUO Albert | 1170 | 6 \% YIE Kevic | 1886 |
| 8 ZHUANG Winnie | 1166 | 8 ZHAO Yue Tong | 1846 |
| 9 YANG Larry | 1164 | 9 PENG Sarah | 1727 |
| 10 ZHU Austin | 1157 | 10 Xue Andrew | 1682 |
| GRADE 5 |  | GRADE 12 |  |
| 1 ATANASOV Anthony | 2208 | 1 CHEN Richard | 2527 |
| 2 XU Daniel | 2131 | 2 ZHANG Yuan Chen | 2364 |
| 3 NING Eric | 2034 | 3 WAN Kevin | 2356 |
| 4 QIU James | 1537 | 4 ZHAO Harry | 2252 |
| 5 LI Adam | 1505 | 5 ZOTKIN Daniel | 2240 |
| 6 COAT Sven | 1484 | 6 XU Jeffrey | 2221 |
| 7 WANG Kaison | 1430 | 7 BALENDRA Harigaran | 2093 |
| 8 YUEN Noah | 1349 | 8 SHAMRONI Dennis | 2032 |
| 9 RUCHINSKAYA Valerie | 1315 1303 | 9 SHEN Chris | 2008 |
| GRADE 6 | 1303 | HONOUR ROLL | 1742 |
| 1 CHEN Max | 2228 | 1 CHEN Richard | 2527 |
| 2 ZHAO Jeffrey | 1986 | 2 HUA Eugene | 2451 |
| 3 HUANG Youne | 1742 | 3 VETTESE Nicholas | 2444 |
| 4 LIU Henry | 1682 | 4 TALUKDAR Rohan | 2383 |
| 5 AJITH Aayush | 1548 | 5 ZHANG Yuan Chen | 2364 |
| 6 ZHU Matthew | 1532 | 6 WAN Kevin | 2356 |
| 7 ZHANG Henry | 1495 | 7 LIANG Hairan | 2353 |
| 8 GHAZARIAN Tigran | 1493 | 8 DEMCHENKO Svitlana | 2347 |
| 9 GULEC Andrew | 1454 | 9 NORITSYN Sergey | 2294 |
| 10 CHENG Adrien | 1440 | 10 CAI Jason | 2289 |


| GRADE 1 I KINDERGARTEN* |  |  | GRADE 7 <br> 1 BHATT Tanish |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 1 MARCHAND Calix | 805 | NS |  |  | NF |
| 2 CHEN Jason | 798 | NS | 2 DENG Tommy | 1205 | NS |
| 3 GUO Channing | 697 | PE | 3 MACEACHERN Seamus | 1144 | PE |
| 4 PITTMAN Luke | 656 | NF | 4 KAPADIA Arnav | 1058 | NS |
| 5 CULL Mary Jay | 460 | NF | 5 VELJANOVSKI Kiro | 1029 | NB |
| 6 SYED Juveria * | 454 | NS | 6 CHRISTIANSEN Asher | 1020 | NS |
| 7 JUSTASON Magnus | 441 | NB | 7 UPPAL Neil | 1019 | NS |
| 8 EYRES Alex | 429 | NB | 8 XING Leon | 1013 | PE |
| 9 SYED Hamza Ali Ahmed | 417 | NS | 9 LOCKE Sebastian | 993 | NF |
| 10 MING Eric | 413 | PE | 10 BROCKERVILLE Jacob | 977 | NF |
| GRADE 2 |  |  | GRADE 8 |  |  |
| 1 MORRISON Oskar | 774 | NS | 1 KAPRA Jerjis | 1460 | NS |
| 2 GOWDA Ankush | 620 | PE | 2 GAO Jiarui | 1392 | NS |
| 3 MCKIM Satya | 609 | NF | 3 RUSSELL Mark | 1364 | NF |
| 4 YANG Kathy | 521 | PE | 4 LEBLANC Alexandre X. | 1360 | NB |
| 5 ALNAELI Kareem | 493 | PE | 5 DORMODY Peter | 1236 | NF |
| 6 LIU Darrin | 491 | NB | 6 ZENG Fanreng | 1198 | NS |
| 7 RYAN Fabian | 489 | NF | 7 LOTY Ezekiel | 1164 | NS |
| 8 BEVAN Cruz | 489 | PE | 8 NGUYEN Kevin | 1100 | PE |
| 9 THOMAS Adam | 474 | NF | 9 TIBBO Jacob | 1034 | NB |
| 10 HUANG Tony | 472 | NB | 10 WEI Ronnie | 1025 | PE |
| GRADE 3 |  |  | GRADE 9 |  |  |
| 1 LEBLANC Zachary | 852 | NB | 1 KUNDU Arnab | 1374 | PE |
| 2 QIU Max | 819 | PE | 2 BLANCHETTE Luc | 1183 | NB |
| 3 WANG Sam | 758 | PE | 3 CHEN Norman | 1177 | NF |
| 4 BOURASSI Sam | 722 | PE | 4 BABCOCK Simon | 1134 | NS |
| 5 MEANEY Luke | 721 | NS | 5 BROWN Callum | 1082 | NS |
| 6 MITTAL Rachit | 660 | NS | 6 WALSH Ian | 1047 | NF |
| 7 LEBLANC Xavier | 658 | NB | 7 FARHAT Zein | 1008 | NS |
| 8 GREEY William | 629 | NF | 8 DOUCETTE Luc | 1005 | PE |
| 9 BOYCE Rigden | 612 | NS | 9 HEFFERTON Harrison | 993 | NF |
| 10 WANG Ivan | 604 | PE | 10 MORSE Caleb | 954 | NB |
| GRADE 4 |  |  | GRADE 10 |  |  |
| 1 LIANG Leon | 1151 | PE | 1 DORNIEDEN Jonas | 1574 | NS |
| 2 WANG Andy | 1069 | NS | 2 CUI Cynthia | 1460 | NB |
| 3 ZHANG Brian | 995 | NS | 3 RUSSELL Brett | 1418 | NF |
| 4 YANG Bella | 934 | PE | 4 NAKAYASU Rikuto | 1255 | NS |
| 5 KOMIAK Jacob | 839 | NF | 5 MCCALLUM Karla Lynn | 1195 | PE |
| 6 GAO Richard | 820 | PE | 6 CAPELLO Jordon | 1187 | NB |
| 7 YAN Cindy | 774 | PE | 7 LI Kevin | 1103 | NS |
| 8 DAIGLE Xavier | 772 | NB | 8 LOTY Eric | 1092 | NS |
| 9 DUMITRU Enya | 727 | NS | 9 BURTON Jacob | 1088 | NF |
| 10 DEWAR Tiernan | 708 | PE | 10 LLEWELLYN Breanne | 1012 | NS |
| GRADE 5 |  |  | GRADE 11 |  |  |
| 1 YAO Michael | 1296 | PE | 1 MERRIGAN Daley | 1938 | NF |
| 2 SALAH Alan | 1006 | NF | 2 HUANG Xingbo | 1621 | NF |
| 3 SHAFI Omar | 884 | NS | 3 CUI Leonardo | 1493 | NB |
| 4 SHEPPARD Jacob | 881 | NF | 4 CHANDRAKANTH Nandan | 1283 | NF |
| 5 RUSANOVSKIY George | 840 | NS | 5 MITTAL Ridhi | 1283 | NS |
| 6 WINFIELD Jordan | 839 | NS | 6 ROOKARD Kalen | 1235 | NS |
| 7 NIKMARAM Ryan | 793 | NB | 7 GOSSE Daniel | 1201 | NF |
| 8 WADLAND Daniel | 778 | NF | 8 DUMITRU Robert | 1158 | NS |
| 9 ALLEN Jack | 758 | NB | 9 SUN Tyler | 1115 | NB |
| 10 BURROWS Brecken | 738 | PE | 10 NGUYEN Quang | 1095 | NB |
| GRADE 6 |  |  | GRADE 12 |  |  |
| 1 SULLIVAN Madoc | 1510 | NS | 1 PICKARD Ryan | 1631 | NF |
| 2 FANG Evan | 1072 | NF | 2 CHISLETT Benjamin | 1495 | NF |
| 3 ANWAR Muhammad | 1063 | NF | 3 DORRANCE Lucas | 1471 | NS |
| 4 PAN Thomas | 987 | NF | 4 YEOMANS Ben | 1411 | NB |
| 5 DICKIE Luke | 987 | PE | 5 BOON-PETERSEN Stefan | 1404 | NF |
| 6 FARHAT Taim | 972 | NS | 6 NAIDAPPUWA WADUGE Dulhan | 1400 | NS |
| 7 WANG Suri | 970 | PE | 7 TRAN Quoc | 1218 | NS |
| 8 MCINTYRE Duncan | 952 | PE | 8 HELDT Nils | 1208 | NS |
| 9 PAMUNUWE GEDARA Udan | 935 | PE | 9 CHOWDHURY SoumyaDeep | 1161 | PE |
| 10 FARQUHAR Allister | 928 | NS | 10 LOCKE Miles | 1131 | NF |
| ROOKIE ROLL top K-6 |  |  | HONOUR ROLL |  |  |
| 1 SULLIVAN Madoc | 1510 | NS | 1 MERRIGAN Daley | 1938 | NF |
| 2 YAO Michael | 1296 | PE | 2 PICKARD Ryan | 1631 | NF |
| 3 LIANG Leon | 1151 | PE | 3 HUANG Xingbo | 1621 | NF |
| 4 FANG Evan | 1072 | NF | 4 DORNIEDEN Jonas | 1574 | NS |
| 5 WANG Andy | 1069 | NS | 5 SULLIVAN Madoc | 1510 | NS |
| 6 ANWAR Muhammad | 1063 | NF | 6 CHISLETT Benjamin | 1495 | NF |
| 7 SALAH Alan | 1006 | NF | 7 CUI Leonardo | 1493 | NB |
| 8 ZHANG Brian | 995 | NS | 8 DORRANCE Lucas | 1471 | NS |
| 9 PAN Thomas | 987 | NF | 9 KAPRA Jerjis | 1460 | NS |
| 10 DICKIE Luke | 987 | PE | 10 CUI Cynthia | 1460 | NB |


| KINDERGARTEN |  |  | GRADE 7 |  |
| :---: | :---: | :---: | :---: | :---: |
| 1 GONG Leale | 620 | AB | 1 GU Chuyang | 1708 BC |
| 2 LOW Ethan | 539 | BC | 2 WU Lucian | 1601 BC |
| 3 ZHU Forrest | 496 | BC | 3 WANG Paul | 1588 AB |
| 4 CHANG Steven | 492 | BC | 4 ZHOU Aiden | 1584 BC |
| 5 PERIA Manny | 465 | AB | 5 WINDRAM James | 1561 AB |
| 6 DU Jayden | 448 | BC | 6 HUANG Ryan | 1496 BC |
| 7 CHEN David | 446 | BC | 7 BRAVO Erik | 1471 BC |
| 8 RILEY Tayo | 410 | AB | 8 IVANESCU Mark | 1445 AB |
| 9 RODRIGUEZ Geo | 383 | MB | 9 SPASOJEVIC Luka | 1402 BC |
| 10 SARAKI Areg | 379 | $A B$ | 10 SUN Elvin | 1353 BC |
| GRADE 1 |  |  | GRADE 8 |  |
| 1 WU Nicholas | 1050 | BC | 1 DOKNJAS Neil | 2071 BC |
| 2 YANG Nathan | 921 | BC | 2 TIAN Sherry | 2000 BC |
| 3 JOHNSON Joshua | 827 | AB | 3 LOW Kevin | 1925 BC |
| 4 JIN Linus | 821 | AB | 4 HUANG Patrick | 1922 BC |
| 5 NGUYEN An | 767 | BC | 5 SUPERCEANU Andi | 1663 AB |
| 6 YE Oliver | 705 | BC | 6 RUSSO Max | 1532 MB |
| 7 PERLA Manny | 683 | AB | 7 LAU Julian | 1523 AB |
| 8 KIM George | 656 | AB | 8 JAMES Rowan | 1523 BC |
| 9 BI Henry | 635 | BC | 9 RIQUELME Nicolas | 1511 MB |
| 10 SHI Jayden | 597 | MB | 10 LEI Yanyu | 1509 MB |
| GRADE 2 |  |  | GRADE 9 |  |
| 1 QU Jayden | 1093 | BC | 1 HEMSTAPAT Andrew | 2370 BC |
| 2 GAO Justin | 1076 | BC | 2 ZHAO Ian | 2264 AB |
| 3 TIAN Eliza | 1024 | BC | 3 QU Leo | 1882 BC |
| 4 IVANESCU Matthew | 1009 | AB | 4 ZHENG Victor | 1796 BC |
| 5 WANG Alan | 971 | BC | 5 DU Daniel | 1662 BC |
| 6 GOLCHIN Ryan | 967 | BC | 6 LUU Chris | 1597 BC |
| 7 MOK Erwin | 967 | BC | 7 GUO Jim | 1528 BC |
| 8 LU Aiden | 887 | BC | 8 MAH Sean | 1514 AB |
| 9 SORGARD William | 831 | SK | 9 SASATA Alexander | 1496 SK |
| 10 TRINH Khoi | 828 | SK | 10 WAN Justin | 1401 BC |
| GRADE 3 |  |  | GRADE 10 |  |
| 1 BOROOMAND AryaCyrus | 1131 | BC | 1 VASIC Maxim | 1980 AB |
| 2 KOFMANSKY Matthew | 1042 | BC | 2 PULFER Luke | 1900 BC |
| 3 GUO BiaoBiao | 981 | BC | 3 RICHARDSON Kai | 1822 BC |
| 4 LI Tony | 967 | BC | 4 YANG Brian | 1810 BC |
| 5 MING Jerry | 898 | AB | 5 WANG Kaixin | 1757 AB |
| 6 MURALLIDARAN Arthithan | 892 | AB | 6 LOW Ethan | 1746 BC |
| 7 YU Ryanbole |  | BC | 7 CHUNG Alec | 1712 BC |
| 8 LI Anthony | 852 | BC | 8 WEI Daniel | 1518 SK |
| 9 BI Glenn | 843 | AB | 9 LIN Kaining | 1495 AB |
| 10 EISENBERG Colette | 832 | BC | 10 RENY Alex | 1445 BC |
| GRADE 4 |  |  | GRADE 11 |  |
| 1 YANG Ryan | 1512 | BC | 1 DOKNJAS Joshua | 2367 BC |
| 2 SONG Ethan | 1494 | BC | 2 WOLCHOCK Theo | 2199 MB |
| 3 JIN Alexander | 1280 | BC | 3 MA Derek | 2191 MB |
| 4 LIN Leo | 1257 | SK | 4 LEHINGRAT Callum | 2030 BC |
| 5 PUREVJAMTS Anu | 1205 | AB | 5 RANINGA Aditya | 2004 AB |
| 6 Zou Alex | 1107 | BC | 6 LEONG Ryan | 1947 BC |
| 7 DARVEKAR Yash | 1100 | AB | 7 GROSSMANN Lenard | 1912 AB |
| 8 HUANG Nico | 1086 | BC | 8 SU Michael | 1828 BC |
| 9 LIU Jiaqi | 1084 | BC | 9 YAO David | 1813 AB |
| 10 HUANG Winston | 1061 | BC | 10 BOTEZ Andrea | 1686 BC |
| GRADE 5 |  |  | GRADE 12 |  |
| 1 CHANDRA Anand | 2082 | AB | 1 GEDAJLOVIC Max | 2338 BC |
| 2 WANG Daniel | 1760 | BC | 2 HIEBERT Kenji | 2130 BC |
| 3 WU Nathan | 1480 | BC | 3 SCHNABEL Bennett | 2094 BC |
| 4 JIANG Eric | 1471 | BC | 4 BREMNER William | 1955 BC |
| 5 LEE Woosung | 1412 | BC | 5 LI Kevin | 1763 BC |
| 6 PICHE Zachary | 1393 | MB | 6 ZHENG Maven | 1751 BC |
| 7 MOK Gillian | 1368 | BC | 7 GENG Matthew | 1694 BC |
| 8 JIN Eric | 1299 | AB | 8 WU Chenxi | 1577 AB |
| 9 OFFENGENDEN Ron | 1298 | AB | 9 CHAO Lucy | 1544 AB |
| 10 YU Sophia | 1263 | BC | 10 TOLENTINO Andre | 1539 AB |
| GRADE 6 |  |  | HONOUR ROLL |  |
| 1 SRINIVASAN Hemant | 1606 | AB | 1 HEMSTAPAT Andrew | 2370 BC |
| 2 XU Andrew | 1460 | BC | 2 DOKNJAS Joshua | 2367 BC |
| 3 RIQUELME Martin | 1449 | MB | 3 GEDAJLOVIC Max | 2338 BC |
| 4 SHARMA Vishruth | 1385 | AB | 4 ZHAO Ian | 2264 AB |
| 5 PRASANNA Shreyas | 1296 | AB | 5 WOLCHOCK Theo | 2199 MB |
| 6 HE Matthew | 1287 | BC | 6 MA Derek | 2191 MB |
| 7 EISENBERG Lucas | 1283 | BC | 7 HIEBERT Kenji | 2130 BC |
| 8 LIANG Eugene | 1256 | BC | 8 SCHNABEL Bennett | 2094 BC |
| 9 ZHANG Dustin | 1231 | AB | 9 CHANDRA Anand | 2082 AB |
| 10 JIANG Kate | 1230 | BC | 10 DOKNJAS Neil | 2071 BC |

## RATINGS

Scholastic ratings for all players who have taken part in a CMA tournament during the last three years can be found on the Chess'n Math Association webpage:
www.chess-math.org
Click the "ratings" tab on the homepage, which will take you to the ratings page:

## www.chess-math.org/ratings

Once on the ratings page, with Kiril and the map of Canada, you can search ratings by name, province, age, or grade! You can also find a list of recently rated tournaments under the tournaments tab. Click on the event ID number to see the crosstable.
For information on how to rate your tournaments:
www.chess-math.org/how-have-your-tournaments-rated

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## homepage of JEFF COAKLEY

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Frizoon Lepawn presents

## HOP GARES CANADA

| 1 JIN Linus | 821 |
| :---: | :---: |
| 2 NGUYEN An | 767 |
| 3 PURI Ryan | 748 |
| 4 QIAN Ashley * | 611 |
| 5 RAMOS Heidi | 592 |
| GRADE 2 |  |
| 1 TIAN Eliza | 1024 |
| 2 LIU Zi | 940 |
| 3 SYCHEV Danila | 904 |
| 4 CHEN Rae | 898 |
| 5 MYRZAIBRAIMOVA Alia | 825 |
| GRADE 3 |  |
| 1 LAU Jayden | 1057 |
| 2 CHEN Alina | 897 |
| 3 GIASSON Coralie | 868 |
| 4 EISENBERG Colette | 832 |
| 5 LING Kathryn | 779 |
| GRADE 4 |  |
| QU Greta | 1546 |
| 2 GAO Lucy | 1280 |
| PUREVJAMTS Anu | 1205 |
| ZHUANG Winnie | 1166 |
| 5 MA Lily | 1096 |
| GRADE 5 |  |
| MOK Gillian | 1368 |
| 2 RUCHINSKAYA Valerie | 1315 |
| 3 LI Julia | 1303 |
| 4 YU Sophia | 1263 |
| 5 ZHONG April | 1257 |
| GRADE 6 |  |
| LIN Angela | 1394 |
| 2 WANG Rachel | 1279 |
| JAIN Ankita | 1235 |
| 4 JIANG Kate | 1230 |
| KELKAR Ishaan | 1212 |
| * PRINCESS PARADE |  |
| 1 QU Greta Top K-6 | 1546 |
| 2 LIN Angela | 1394 |
| 3 MOK Gillian | 1368 |
| 4 RUCHINSKAYA Valerie | 1315 |
| 5 LI Julia | 1303 |
| 6 GAO Lucy | 1280 |
| 7 WANG Rachel | 1279 |
| 8 YU Sophia | 1263 |
| 9 ZHONG April | 1257 |
| 10 JAIN Ankita | 1235 |



| AB | PLOTKIN Julia | 1508 | ON |
| :---: | :---: | :---: | :---: |
| BC | 2 TSUKERMAN Julia | 1490 | QC |
| ON | 3 SHEN Isamel | 1449 | ON |
| ON | GILANI Mysha | 1395 | ON |
| GRADE 8 |  |  | ON |
| BC | TIAN Sherry | 2000 | BC |
| ON | WANG Isabelle | 1403 | QC |
| QC | 3 GUO Hazel | 1312 | ON |
| ON | 4 WU Ingrid | 1310 | ON |
| MB | VAN Anna | 1291 | $B C$ |
| GRADE 9 |  |  |  |
| ON | 1 HE Emma | 1493 | ON |
| ON | 2 WANG Caroline | 1334 | QC |
| QC | TAN Kylie | 1301 | ON |
| BC | 4 MATTINA Abby | 1259 | ON |
| ON | 5 CHERTKOW Sasha GRADE 10 |  |  |
| ON | 1 DEMCHENKO Svitlana | 2347 | ON |
| ON | QIAO Cindy | 1829 | ON |
| AB | 3 TSYPIN Allison | 1495 | QC |
| ON | 4 CUI Cynthia | 1460 | NB |
| QC | 5 ZHANG Taylor | 1362 | ON |
| GRADE 11 |  |  |  |
| BC | OUELLET Maili-Jade | 2409 | QC |
| ON | 2 PENG Sarah | 1727 | ON |
| ON | 3 BOTEZ Andrea | 1686 | BC |
| BC | 4 CAO Lucy | 1536 | $A B$ |
| ON | 5 YU Rinna | 1520 | BC |
| GRADE 12 |  |  |  |
| ON | LI Yi Lin | 2144 | QC |
| QC | WANG Constance | 1570 | ON |
| ON | 3 CHAO Lucy | 1544 | $A B$ |
| BC | 4 LIU Dora | 1527 | ON |
| ON | 5 zHU Jiarong | 1499 | ON |
|  | 曾 CANADIAN QUEENS |  |  |
| ON | 1 OUELLET Maili-Jade | 2409 | QC |
| ON | 2 DEMCHENKO Svitlana | 2347 | ON |
| $B C$ | 3 LI Yi Lin | 2144 | QC |
| ON | 4 TIAN Sherry | 2000 | BC |
| ON | 5 QIAO Cindy | 1829 | ON |
| ON | 6 PENG Sarah | 1727 | ON |
| QC | 7 BOTEZ Andrea | 1686 | BC |
| BC | 8 WANG Constance | 1570 | ON |
| ON | 9 QU Greta | 1546 | ON |
| ON | 10 CHAO Lucy | 1544 | $A B$ |

## CANADIAN CHESS CHALLENGE <br> TEAM STATISTICS <br> 1989-2018

| total games played 15990 | MOST CHAMPIONSHIPS MOST GOLD ONE YEAR |  |  | $\begin{array}{ll} \mathrm{S} & \text { ontario } 22 \\ \mathrm{R} & \text { ontario } 9 \end{array}$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |
| STANDINGS | AVERAGE PLACE | AVERAGE \%SCORE | $\begin{aligned} & \text { BEST } \\ & \text { \%SCORE } \end{aligned}$ | HIGHEST PLACE | LOWEST PLACE |
| ONTARIO | 1.4 | 83 | 90 | 1 | 3 |
| QUEBEC | 1.8 | 79 | 88 | 1 | 4 |
| BRITISH COLUMBIA | 3.1 | 66 | 75 | 2 | 5 |
| ALBERTA | 4.2 | 56 | 60 | 3 | 7 |
| MANITOBA | 5.7 | 46 | 58 | 3 | 8 |
| NEW BRUNSWICK | 6.2 | 43 | 61 | 3 | 9 |
| NEWFOUNDLAND | 6.9 | 39 | 56 | 4 | 10 |
| NOVA SCOTIA | 8.2 | 32 | 44 | 6 | 10 |
| SASKATCHEWAN | 8.3 | 34 | 47 | 5 | 10 |
| PRINCE EDWARD ISLAND | 9.5 | 24 | 44 | 6 | 10 |


| MEDALS | GOLD | SILVER | bronze | total | WEIGHT* | MOST |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ONTARIO | 153 | 101 | 42 | 296 | 703 | 12 |
| QUEBEC | 98 | 104 | 67 | 269 | 569 | 12 |
| BRITISH COLUMBIA | 57 | 48 | 67 | 172 | 331 | 11 |
| ALBERTA | 17 | 31 | 56 | 104 | 169 | 6 |
| MANITOBA | 9 | 26 | 27 | 62 | 106 | 4 |
| NEW BRUNSWICK | 6 | 16 | 36 | 58 | 86 | 5 |
| NOVA SCOTIA | 9 | 14 | 12 | 35 | 68 | 3 |
| SASKATCHEWAN | 5 | 10 | 21 | 36 | 56 | 3 |
| NEWFOUNDLAND | 3 | 5 | 24 | 32 | 43 | 4 |
| PRINCE EDWARD ISLAND | 1 | 3 | 9 | 13 | 18 | 3 |




TORONTO
Chess'n Math 416 488-5506
Marshall McLuhan School 1107 Avenue Rd.
April 7
May 12
June 2

## ON CC qualifier

Grand Prix
ON Team Championship

## OTTAWA

Chess'n Math 613 565-3662
Jim Durrell Centre
1265 Walkely Rd.
$\begin{array}{ll}\text { March 17 } & \text { ON CC qualifier } \\ \text { March 31 } & \text { Grand Prix }\end{array}$
June 30
Chess'n Math Association www.chess-math.org

## MONTREAL

Chess'n Math 514 845-8352
Loisir St-Henri
530 du Couvent

| May 12 | Grand Prix |
| :--- | :--- |
| May 26 |  |
| June 16 | Grand Prix |

16 Grand Prix
Le Pavillon d'Education Comm. 1670 Desjardins Ave.
April 7 QC CC qualifier
April 7 Girls Championship qualifier

## MONTREAL TEAM

 TOURNAMENTCollege Jean-de-Brebeuf
March 30 K-3, grade 7-11
March 31 K-6
4 players from same school


## LILY'S PUZZLER

See pages 25 and 53.

$\mathrm{E}=$ king. There must be a king of each colour. E is the only letter with a capital and lowercase.
$K=$ pawn. The other five letters are on the 1st rank.
Caps = white. One of the letters RXH must be a queen or a rook, so one of the kings is in check. If the pawns are black, then the white king on b1 is also in check by the pawn on a2. The two checks would make the position illegal.
$\mathrm{R}=$ knight. R is not a queen or rook because there would be an impossible check from a1. $R$ is not a bishop because a white bishop cannot be on a1 with a white pawn on b2.
$\mathrm{C}=$ rook. C is not a bishop because a white bishop cannot be on h1 with a white pawn on g2. C is not a queen because there are two C's. With eight white pawns on the board, there cannot be a promoted queen.
$\mathrm{X}=$ queen. X is not a bishop because a white bishop cannot be on c1 with white pawns on b2 and d2.
$\mathrm{H}=$ bishop. The only remaining letter.
The black king is in check by the queen on c1. The last move was not 1.Qc2-c1+ because the black king would already be in check. The last move had to be the capture 1.Qd1xc1+.
Now look at the position before that capture, with the queen on d1 and a black piece on c1. See diagram on next page.


What was Black's previous move? It was not 1...Kc2-b1 because the king on c2 would be in an impossible check by the queen. It was not 1 ...f2-f1=B because a pawn on f2 would be checking the white king. Therefore it had to be a move by the piece on c1.
The move by Black to c1 was not a capture because White is only missing three pieces (BBN). With pawns on e2 and g2, we know that the light-square bishop was captured earlier on f 1 . With both white rooks on the kingside, the dark-square bishop had to be captured earlier on c1 to let the rook from a1 pass by. The missing knight was captured on f2 by a black pawn before it promoted to bishop. That is the only way to explain the black bishop on $f 1$.
The previous move by Black was not ...Qc2-c1 or ...Rc2-c1 because, with a piece on c2, the black king on b1 would be in an impossible check from the queen on d1. Therefore the previous move had to be ...Nd3-c1 so that the white queen had a legal move on the turn before that. For example, it could have been Qa4xd1+. Which means the last move in the puzzle diagram was 1.Qd1xNc1+.
Congratulations if you figured it all out!
The position is legal. From the initial array, black knight captures Bc1 and Bf1 and leaves 1st rank. White knights leave 1st rank. White pawns advance to c3, f3, h3. White king and queen exit 1st rank. White rooks go to h 1 and h 2 . Black queen moves to g 1 . Black king goes to b1 through g3 and f2. Black queen moves to d1. White rooks move to e1 and h1. Black g-pawn captures white knight on f2 and promotes to bishop on f1. White king goes to g1 and white knight to a1. Black knight goes to d3. White queen mops up the extra black pieces, goes to a4 and then captures on d1. Rex check! chess rebus by Andrey Frolkin \& Jeff Coakley 2019

For tournaments and other chess events in your area, visit these websites or contact your local organizer.

## BRITISH COLUMBIA

## Victoria

Victoria Junior Chess Society victoriajuniorchess.pbworks.com
Brian Raymer
braymer@telus.net

## Vancouver

Vancouver Chess School
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Maxim Doroshenko
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## ALBERTA

## Edmonton

Roving Chess Nuts
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## Calgary

Calgary Junior Chess Club sites.google.com/site/calgaryjunior chessclub
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## SASKATCHEWAN

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## Toronto

Children Chess School of Toronto chessforchildren.ca
Nathalia Khoudgarian info@chessforchildren.ca

## Toronto

Knights of Chess School sites.google.com/site/theknights ofchess

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## Seneca Hill

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## Guelph

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## Kitchener

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psmcd.net/kwycc
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## Cornwall

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## NEW BRUNSWICK

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## NOVA SCOTIA

Nova Scotia Scholastic Chess
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## PRINCE EDWARD ISLAND

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## NEWFOUNDLAND

NL Scholastic Chess Association www.chess.nl.ca

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## HOW TO READ A CHESS GAME

It's easy. The board has 8 files and 8 ranks. Files are the rows of squares that go up and down. Each one is named by a small letter. Ranks are rows that go sideways. Each one is named by a number.
Every square also has a name. The first part is its file and the second part is its rank. In this diagram, a white pawn moved to e4 and a black pawn to e5.
When moves are written down, the first capital letter shows the piece which moves. $\mathbf{Q}$ is queen. $\mathbf{B}$ is bishop. $\mathbf{R}$ is rook. $\mathbf{N}$ is used for knight because the king is $\mathbf{K}$. If there is no capital letter, that means a pawn moves.

Next is the square that the piece moves to. Bc4 says that a bishop moves to the square c4. When a piece is captured, an $\mathbf{x}$ is put before the square. Qxf7 means a queen takes on f 7 .
If a pawn captures, the letter of the file it starts on is given first, then an $\mathbf{x}$ followed by the square it takes on. exd5 says a pawn on the e-file captures on the square d5.
When two pieces of the same kind can go to the same spot, another letter is put after the piece to show what file it came from. Rae1 tells us that a rook on the a-file moves to e1.

If the pieces that can move to the same spot are on the same file, then their rank number is added. N6e4 means the knight on the 6th rank moves to e4.


Here are some special symbols:

| + | check |
| :---: | :--- |
| $\#$ | checkmate |
| e.p. | en passant |
| O-O | castles kingside |
| O-O-O | castles queenside |
| $1-0$ | white wins |
| $0-1$ | black wins |
| $1 / 2-1 / 2$ | draw |
| $!$ | excellent move |
| $?$ | mistake |
| $!?$ | cool move |
| $?!$ | weird (weak) move |

The game below is written in algebraic notation. Kiril was new to chess and fell into an old trap called Scholar's Mate!

Oh no! Kiril got mated in just four moves. That was no fun!

```
\begin{tabular}{lll} 
& ROCKY & KIRIL \\
1. & e4 & e5 \\
2. & Qh5 & d6 \\
3. & Bc4 & Nf6? \\
4. & Qxf7 \# &
\end{tabular}
ROCKY KIRIL
d6
3. Bc4 Nf6?
4. Qxf7 \#
```


## * SOLUTIONS *

## MATES

1 1.h3\#
2 1.Rb7 Bc5 2.Rb8\# 1...Rd1 2.Rh8\#

3 1.Rxg6+hxg6 2.h7\#
1...Nxg7 2.Qxg7\#

4 1.Bg5+ Kd6 2.Bf4\#
5 1.Qxh7+ Nxh7 2.Ng6\#
1...Kxh7 2.Rh3+ Nh5 3.Rxh5\#

## COMBO MOMBO

1 1.Qf4+ Ke6 (1...Kg6 2.Be4\#) 2.Bh3\#
2 1...Rxc4 2.Rxc4 Rb2 3.Rc2 Rxc2 4.Qxc2 Qxf1

## 2.Qxf6 Rxc2+ 3.Qf2 (3.Rf2 gxf6) 3...Rxf2+

LILY'S PUZZLER

$\mathrm{R}=$ knight $\quad \mathrm{C}=$ rook
$\mathrm{E}=\mathrm{king}$
$\mathrm{H}=$ bishop
$X=$ queen $K=$ Pawn
White = capitals
last move: 1.Qd1xNc1+
See page 48 for a detailed solution.

TRIPLE LOYD
A. Kh8\# B. Ke5=
C. Ka1 (Qa3\#)

## CHESS MAZE

Qd1-h5-h7-g8-g2-d5
-a2-a7-b6-c7-c8xe8


## TACTICS 102

1 1.Qxd5 (1...exd5 2.Rxe7)
2 1.Bxf7+Kxf7 2.Qd5+Ke8 3.Qxe4 (1.Qd5? Nd6 =)

3 1.Rxf7 Rxf7 2.Qxa8+
(1...Rab8 2.Rxg7+)

4 1.Rxc6 Qxc6 2.Nxe5 Qc2 3.Nxg6 hxg6 4.Qd4
1...Rxc6 2.Nxe5 Qc7 3.Nxc6

SCHOLAR'S MATE
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H2X 3L2
www.chess-math.org


OH, CANADA, EH?

