

*W. de Kempelen del. Ob. à Meckel, exaud. Basileus. P. G. Pütz, f. Der Schachspieler im Spiele begriffen. Le Joueur d'Échecs tel qu'on le voit pendant le jeu.*

Is it magic? Can a clockwork wooden toy play chess? Read more about “The Turk” (page 6)

### Modern Day Magic!

If you want chess coaching, but don't have access to a coach, the magic of modern technology brings you **iChess**.

[www.ichess.com.au](http://www.ichess.com.au)

### Editorial

First we were x-Gen, x-Men and x-Boxes and wasn't x just SO cool. Then everything was e-Mail and e-Bay and e was just the greatest. Now we are onto i with iPods, iMac and even iGoogle. Chess Kids has jumped on the band-wagon with iChess! One wonders, what letter will start the next trend?

-David Cordover

### Inside This Issue

Slaying the Dragon	Page 2	Holiday in Fiji	Page 3
Who Am I?	Page 3	Samuel Reshevsky	Page 4
Puzzle Page	Page 5	The Mechanical Turk	Page 6
Calendar for 2007	Page 7	Winter Chess Specials	Page 8

# Slaying the Dragon

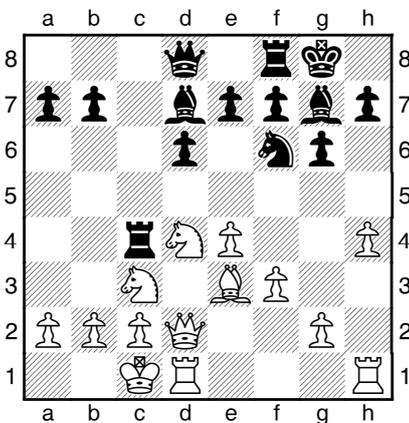
By Robert Harle

In 1972 American chess player Bobby Fischer defeated Boris Spassky to become the World Chess Champion. Two years later the Russian players Anatoly Karpov and Viktor Korchnoi fought it out to decide who would challenge Fischer for the World Title in 1975. Here is the critical second game from this closely fought match:

### Karpov - Korchnoi

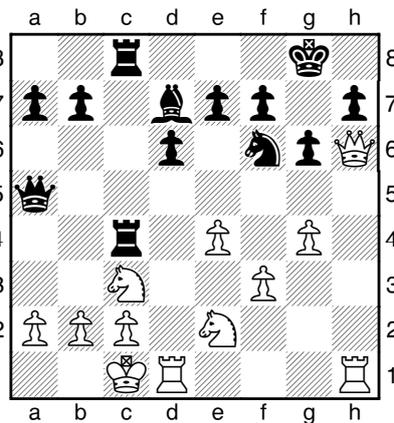
*Candidates Final, Moscow, 1974*

1.e4 c5 2.Nf3 d6 3.d4 cxd4 4.Nxd4 Nf6 5.Nc3 g6 Note Black's pawn structure d6-e7-f7-g6-h7 which resembles a dragon. The g7-bishop breaths fire across the board and the Dragon's tail (pawns on a7 and b7) usually whips down the queen-side of the board. 6.Be3 Bg7 A painful trap would be 6.... Ng4 7.Bb5+ Bd7 8.Qxg4 winning the Black Knight. 7.f3 Nc6 8.Qd2 0-0 9.Bc4 Bd7 10.h4 With Korchnoi already castled on the King side Karpov plans to castle on the Queen side. When both Kings are castled on opposite sides of the board a key strategy is to use a Pawn Storm to attack your opponent's King. Karpov wastes no time in getting the attack underway. 10...Rc8 11.Bb3 Ne5 12.0-0-0 Nc4 13.Bxc4 Rxc4

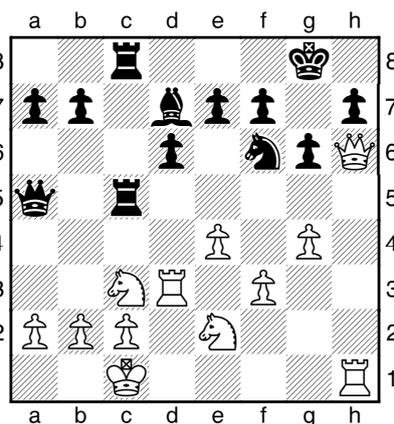


Korchnoi's strategy is to control the dark squares through the Black (fire-breathing) Bishop on g7 and the pawn on d6 and build pressure on the c file by doubling Rooks as soon as possible. 14.h5! Nxh5

15.g4 Nf6 White has sacrificed a pawn to open up the h file which leads to Black's King. 16.Nde2 Qa5 17.Bh6 Bxh6 18.Qxh6 The exchange of bishops (extinguishing the Dragon's fire) weakens the squares around the Black King. 18...Rfc8

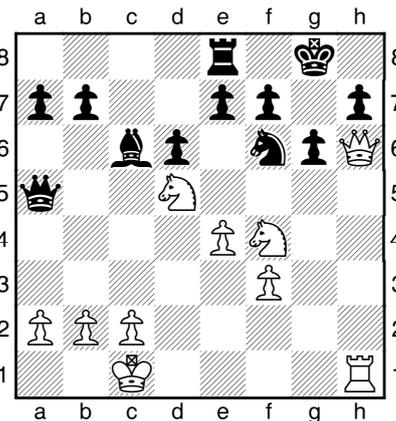


Korchnoi is looking for the right moment to exchange a Black Rook for the White Knight on c3, opening up lines to the White King. 19.Rd3! Before continuing with the attack on the King side, Karpov overprotects his weak Knight on c3. 19...R4c5

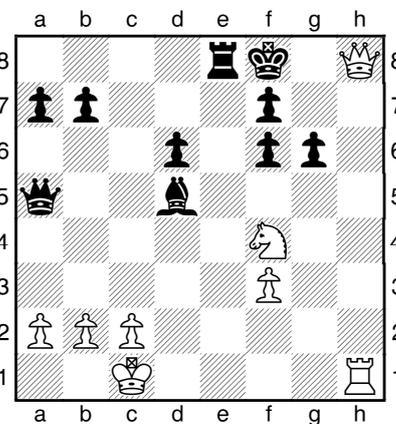


20.g5 Rxg5 Karpov has sacrificed a second pawn to give his attack momentum and open up lines to the Black King 21.Rd5! Rxd5 if 21...Nxd5 22.Qxh7+ Kf8 23.Qh8# 22.Nxd5 Now the White Knight dominates the board and Korchnoi is forced to protect against the threat of 23.Nxe7+ 22...Re8 23.Nef4 White brings his second

Knight into the attack. All of his pieces are working at maximum efficiency and Black's position quickly crumbles. 23...Bc6



24.e5! Bxd5 If 24...dxe5 25.Nxf6+ exf6 26.Nh5 gxh5 27.Rg1+ Kh8 28.Qg7# 25.exf6 exf6 26.Qxh7+ Kf8 27.Qh8+ and Black resigns .



Although two pawns down, White's attack is overwhelming eg. 27...Ke7 28.Nxd5+ Qxd5 29.Re1+ Kd7 30.Qxe8+ is clearly winning. 1-0



# Holiday in Fiji

By Andrew Fitzpatrick

To play in the World Chess Championships you must qualify by winning a Zone Championships. The 2007 Oceania Zonal was held at the Sofitel Resort on Denarau Island, Fiji. What better place to combine a holiday and some chess!

Never mind that I didn't qualify for the World Championships this time, it was still a great experience.

The resort was amazing and tournament hall was set up to accommodate the 44 players in luxury. The tournament had players from Australia, New Zealand, Fiji and Papua New Guinea competing in Open and Female divisions for the right to represent Oceania at the World Championship in Siberia (a bit of a climate change if you win).

The outstanding performances were both Australian 12 year olds! Gene Nakauchi (QLD) and Chess Kids Elite member James Morris (VIC) both were awarded the Fide Master (FM) title for their performances.

The eventual winner of the Women's competition was IM Irina Berezina (NSW) and the Open competition was IM Zhong Yuan Zhao (NSW).

It's important to beat 12-year olds

## Who Am I?

*See how many clues you need before you can guess who I am.*

### King:

I was born on 9<sup>th</sup> March 1943 and first learned to play chess at age six.

### Queen:

I left school at sixteen to become a chess professional.

### Bishop:

I was awarded the title International Grandmaster in 1958. (The youngest, at the time, ever to win that title).

while you can; you never know when it will be your last chance!

## Nakauchi - Fitzpatrick Fiji Zonal, 2007

1. d4 d5 2. c4 Nc6 This move enters the Chigorin Defense. The aim of the opening is for black to generate lots of piece activity around the center of the board. 3. Nf3 Bg4 4. Nc3 e6 5. cxd5 exd5 6. e3 Bb4 (6... Nf6) 7. Bd2 Bxc3 8. Bxc3 Nf6 9. Qb3 Bxf3 9... Rb8 10. Ne5 Nxe5 11. dxe5 Ne4 10. Qxb7 O-O 11. Qxc6 Be4 12. Ba5 Black's pawns are dropping very quickly - the only thing black has to his advantage is a safe king! Ne8 13. Rc1 Rb8 14. b4 Qg5 15. Qc5 f5 16. h4 Qh6 17. Rh3 f4 18. f3 Bf5 19. Rh1 If 19. Qxd5+ Be6 20. Qxe6+ Qxe6 21. Bc4 Qxc4 22. Rxc4 fxe3 This position is winning for white as black's attacking pieces have all been swapped off and white is still a pawn (soon two) ahead. 19... Qe6 20. e4 Bxe4 21. fxe4 Qxe4+ Black has decided they have nothing left to lose so goes for the attack. Opponents can be at their most dangerous at these times so beware! 22. Kd2 Qe3+ 23. Kc2 f3 The point of this move is to open up attacking lines for the pieces black so badly needs in the attack. Remember just one queen

### Knight:

In 1975 my ELO rating was 2780.

### Pawn:

I was the World Champion from 1972 to 1975 when I chose not to defend my title.

I am Robert ...



is not enough to checkmate someone with. 24. Qxd5+ Kh8 25. Rh3 Qf2+ 26. Kb1 fxc2 27. Bxc2 Nf6 28. Qg5 Qxd4 29. Qe3 White initiates a series of moves to try and exchange queens. Qd7 30. Rxc7 Qd1+ 31. Rc1 Qa4 32. Qb3 Qb5 33. Rc5 Qe2 34. Rc2 Qe1+ 35. Rc1 Qf2 36. Qc2 Qd4 37. a3 h6 38. Qc3 Qg4 39. Rg3 Qf5+ 40. Ka2 \$2 (40. Ka1 \$18) 40... Rbc8 Suddenly whites 40.Ka2 comes back to haunt them as black gets serious chances after this move! The main threat is a Qf2 check which will win material. 41. Bc6 Rxc6 42. Qxc6 Qf2+ 43. Rc2 Qxg3 44. Qc5 Re8 45. Qxa7 Qd3 46. Qc5 Or 46. Qc7 This move threatens Qd8+ if the Re8 is moved. Re2 46... Re3 47. b5 Qb3+ 48. Ka1 Nd7 Black attempts to dislodge the queen from defence of the a3 pawn. 48... Qxa3+ 49. Qxa3 Rxa3+ 50. Ra2 Rb3 51. Rb2 Ra3+ \$11 49. Qc8+ Kh7 50. Bb4 Rg3 51. Qc6! This is the crucial move which black overlooked during the game. It defends the threat which was Rg1+ and Rg2 with mating threats. 51...Rd3 Black had looked and seen the next move, but then forgot about it and chose to not defend with Nf6...Oops! 52. Qe4+ Black resigns in face of 52...g6 53.Qe7+ 1-0

## What Am I?

A tactical manoeuvre in which a piece is attacked and forced to move out of the way in order to protect itself.

Subsequently, this allows for a second (and less valuable piece) to be captured.

A knight can not perform this manoeuvre. I am often referred to as the opposite of a pin.

## (Answers on Page 8)

By Duncan Standley

# Chess Kids Coaching

## "Samuel Reshevsky"

By Carl Gorka

- Born in Poland, 1911 and started giving simultaneous challenges in Poland at the age of 6!
- "By playing slowly during the early phases of a game I am able to grasp the basic requirements of each position. Then, despite being in time pressure, I have no difficulty in finding the best continuation. Incidentally, it is an odd fact that more often than not it is my opponent who gets the jitters when I am compelled to make these hurried moves." Quote from Samuel Reshevsky

There have been many great chess players throughout the years, including all the World Champions, but one of the most interesting was Samuel Reshevsky. He was born in 1911, in Poland, but at the age of 8 he emigrated to America with his family. He was to become the best player in America throughout the 1930's, 1940's and 1950's, until Bobby Fischer came onto the scene in the late 1950's. He won the American Championship 7 times in all and from 1936 until about 1955 was considered one of the best few players in the World able to defeat World Champions when he played them in tournaments, but never quite managing to win the top title himself.

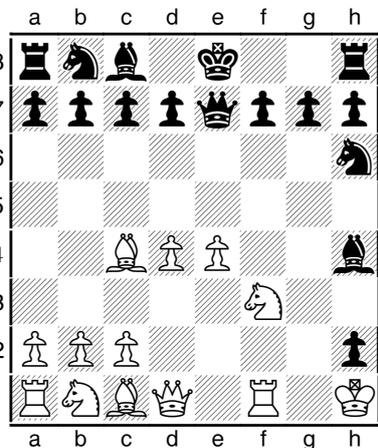
Even more interesting than that was Reshevsky's chess life before the 1930's when he became one of the best players in the World. He learned the moves at the age of 3, and by the time he was 5 was already one of the best players in his district. By the age of 6, he was so good that his parents took him on a tour of the big cities in Europe where he would take on players in simultaneous exhibitions, playing up to 40 players (mostly adults) at a time.

When he arrived in America, he did a tour of cities there playing more exhibitions, and what was even more amazing was that the little 8 year old boy would attract huge crowds of spectators to come and watch the exhibitions. It must be nerve wracking enough for an 8 year old to play against adults but it would be even worse with crowds of over 5000 people watching him. But the little boy wasn't worried and usually won most of his games.

He knew that it wasn't how old that players are that matters, but how good they are. Look at this game for instance. Reshevsky even as an 8 year old knew where his opponent's weak spot was and how to attack it.

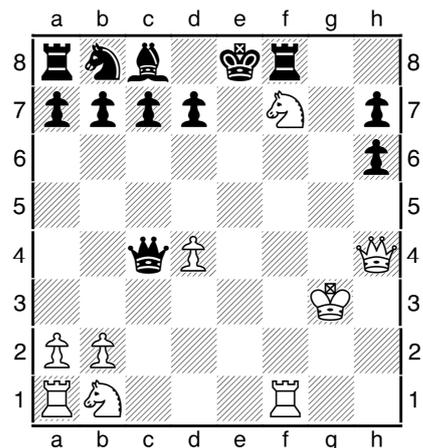
### Reshevsky - Doery Berlin Simultaneous, 1919

1.e4 e5 2.f4 The King's Gambit. White sacrifices a pawn to quickly activate his pieces. 2...exf4 3.Bc4 Immediately targetting the weak spot f7 3...Be7 4.Nf3 This knight wants to go to e5 where it will also attack f7 4...Bh4+ 5.g3 fxe3 6.0-0 A great move, sacrificing more pawns, but look at where White's rook is. When he moves his knight on f3, the rook on f1 will be attacking Black's weak spot. 6...gxe2+ 7.Kh1 Another clever move, hiding his king behind an enemy pawn 7...Nh6 Trying to defend his weak spot 8.d4 Now the little 8 year old has complete control of the centre, and better development against his adult opponent 8...Qe7



9.Bxh6 That's one defender of f7 gone 9...gxe2 10.Ne5 and now 3 of White's pieces gang up on f7.

10...Bf6 The rook is blocked from f7, but Reshevsky can still take the weak pawn with either his bishop or knight. He preferred to attack it with another piece 11.Qh5 Rf8 Black thinks he's got his weak spot defended now, but he's in for a surprise! 12.Nxf7! Qxe4+ 12...Rxf7 Taking the knight is no good: 13.Bxf7+ Qxf7 14.Qxf7+ Kxf7 15.e5 and white will have two rooks and a knight to Black's knight, bishop and rook which would be an easy win. 13.Kxh2 Qxc2+ 14.Kg3 Bh4+ A desperate last trick 15.Qxh4 15.Kxh4? would be a terrible mistake as 15...Qh2+ 16.Kg4 d5+ opens up Black's pieces to attack and White will have to give up most of his material to avoid mate. 15...Qxc4 winning back a bishop but missing Reshevsky's next move.



### 16.Qd8# 1-0

It's difficult to think that in this game, the White player was only 8 years old and the Black player an adult....it looks like it should be the other way round.



# Need to Build your Mental Muscles™?

(Answers on Page 8)

1.

White to play and mate in 2.

2.

White to play and mate in 1.

3.

White to play and mate in 2.

4.

White to play and mate in 2.

5.

White to play and mate in 2.

6.

Black to play and mate in 3.

7.

Black to play and mate in 3.

8.

Black to play and mate in 3.

9.

Black to play and mate in 4.

## CHESS PLAYING MACHINE!

# The Mechanical Turk

By Andrew LeRoy

The clothes you wear, the food you eat and just about every object you see or use was made with the help of machines. This wasn't always so. Before the Industrial Revolution everything was made by hand.

The dawn of the Industrial Revolution was in the mid 1700's.

First attempts at making mechanical devices were quite simple-the main one being mechanical clocks.

Engineers would also create other novelty machines like a wind up duck which walked and flapped its wings, a mechanical trumpet play and various others.

Such novelty mechanisms were called "automata" and people would pay to see them exhibited just like we now go to the movies or a concert.

Often such exhibitions would also have a magic show.

Wolfgang Von Kempelen was the chief engineer of Hungary in the mid 1700's.

His job was to design and build bridges, roads, buildings and sewerage systems for the Queen Maria Theresa. He also built Automata as a hobby.

His other duty was to go with the Queen when she attended magic shows and explain how the various tricks worked.

One day the Queen was watching a magic show by a French magician, Pellier, when Von Kempelen said the show was awful and he could do much better.

"Alright", said the Queen, "you have six months off your engineering duties-show me the best magic show I've ever seen!"

Ooops. Von Kempelen now had to make good on his boast or lose his job, so he set to work.

Finally the big day came.

First Von Kempelen displayed an automatic flute player.

The queen yawned.

Then he showed a key board which could speak words.

The queen rolled he eyes.

Next he showed the queen what was to become the most famous machine of its time.

Von Kempelen rolled out onto the stage a large box with a wooden dummy dressed as a Turk (someone from Turkey) sitting across from a chess board on the top of the cabinet.

He open the cabinet and showed the clock work inside. Then from inside the cabinet he took a set of chess men and set up the board for a game.

"Your majesty would you like to play chess against my machine?" he proudly asked.

The queen sat opposite the Turk. Von Kempelen took out a large key and wound up the Turk. The clockwork started ticking and then the Turk reached out his arm and made a move. The arm went back to its resting position and the clock work fell silent.

The queen made her move and then the clockwork again immediately sprang to life as the Turk played his reply. Within 20 moves the Turk had won.

The queen and everyone at court were astounded and burst into applause.

The queen delighted in showing off her engineers machine to all the important visitors to Vienna and then ordered Von Kempelen to take it on tour throughout Europe.

It played in front of thousands of people every day. Everyone was astounded that a machine could think!

The Turk was especially popular in Paris, which in the 1700s was the centre of world chess. It even played a match against Philidor who was the world champion.

The Turk won almost every game it played but could not beat Philidor.

It also played against Benjamin Franklin who at that time was the American Ambassador to France.

The Turk inspired a man called Cartwright to invent the first machine to weave cloth.

Everyone else thought that a weaving machine was impossible, but after seeing the machine Cartwright stated that if a machine can think then weaving cloth is child's play.

Babbage, the man who invented adding machines and which eventually lead to the computer was also inspired to his work when he saw the Turk as a boy.

Another who saw it was PT Barnum the inventor of the 3 Ring Circus.

Later in its career the Turk played Napoleon.

When Napoleon played the Turk he was convinced that it wasn't really a machine.

He believed as did many others that it was really operated by a human player.

So when he played it he covered the head and chest of the wooden Turkish man with a sheet so that if someone was inside looking out he would block their view.

However the Turk still won.

So what do you think? Is it possible to make a clockwork machine that can beat most players at Chess? How would you do it?

Is it a trick?

Most chess games last about 40

*(Continued on page 7)*

(Continued from page 6)

moves each and on average each position has about 30 legal moves. This means the machine must know what to do in 100 million million positions. Now in six months there is only 15 million seconds of time so how could Von Kempelen program all those positions in that time?

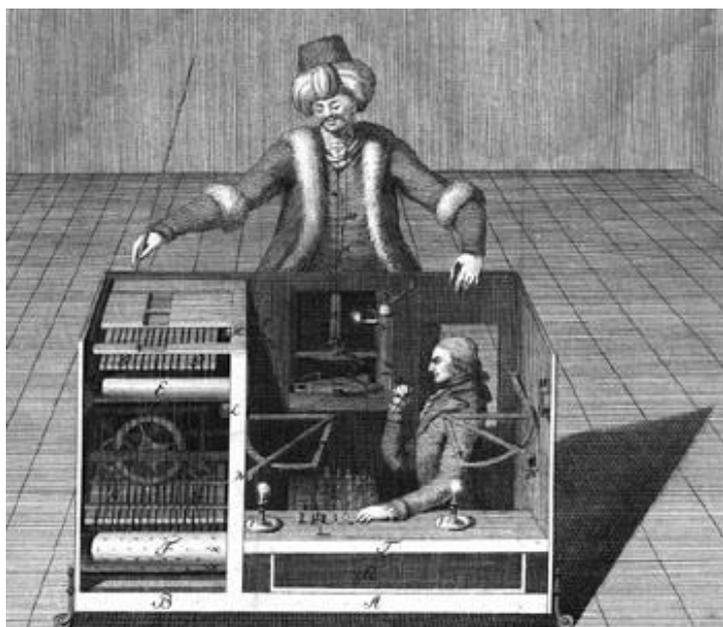
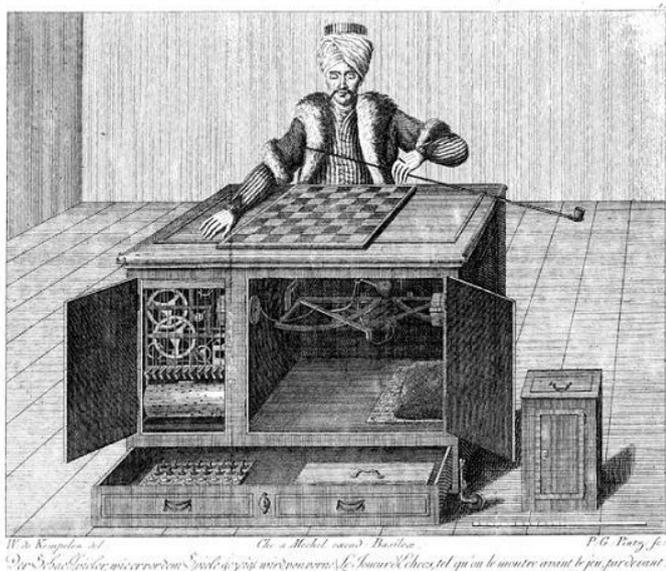
The Turk was a trick, a fraud which was kept secret for over 100 years.

A chess player hid inside the box and used magnets on the bottom of the pieces to keep track of the game. He then used a mechanical arm to make the moves he decided to play on the board above him.

Although a fake, the Turk inspired

and quickened the Industrial revolution and popularized Chess world wide.

Find out more about The Mechanical Turk online - just Google "The Turk, Chess" and you'll find plenty! Have fun surfing...



## 2007 Tournament Calendar

<b>RJ Shield</b> <i>Novice Tournament</i>	<b>Chess Kids Elite</b> <i>Coaching &amp; Tournament</i>	<b>Holiday Programs</b> <i>All welcome !</i>	<b>Victorian Youth Championships</b>
Jun-17 1:00 - 5:00pm Doncaster Gardens Primary Sandhurst Ave, Doncaster E	Jun-24 10:00 - 4:00pm Student Connections, East Bentleigh	Term 2 July 9, 10 & 11 Old Orchard Primary	September 25 & 26 Wesley College High St Rd, Glen Waverley
Jul-21 1:00 - 5:00pm Noble Park Chess Club Noble Park	Jul-22 10:00 - 4:00pm Student Connections, East Bentleigh	Term 2 October 1, 2 & 3 Old Orchard Primary	
Aug-04 11:00 - 3:00pm Caulfield Grammar School Whealers Hill	Aug-26 10:00 - 4:00pm Student Connections, East Bentleigh	Plus holiday programs in: Elsternwick and Caroline Springs	
Sep-09 1:00 - 5:00pm Doncaster Gardens Primary Sandhurst Ave, Doncaster E	Oct-28 10:00 - 4:00pm Student Connections, East Bentleigh		
Oct-21 1:00 - 5:00pm Wesley College Glen Waverley	Nov-25 10:00 - 4:00pm Student Connections, East Bentleigh		
Nov-11 1:00 - 5:00pm Wesley College Glen Waverley			
Entry Fee: \$20 per event	Coaching Fees: \$60 per day Includes tournament fee	Cost: \$45 per day Discounts for multi-day	Championships: \$120

## Improve your chess skills ... anytime!

Playing develops many critical **thinking skills**. Learning chess in a structured way really accesses the full potential benefit of problem solving skills, creativity, concentration, memory and decision making.

Plus, the more you learn about Chess the **more fun** you have (and the more games you win).

Not everyone is in the enviable position of having regular access to a Professional Chess Coach. Perhaps the tyranny of distance, the cost or the incompatible schedules in our busy lives.

iChess is here to help! Learn through an interactive Video and Audio lesson anytime you like! Structured from the Chess Kids syllabus (tested by 85,360 students over the past 10 years), taken from live lessons and with stories, games and points of interest along the way.

**iChess**

**register for your FREE lesson today!**

[www.ichess.com.au](http://www.ichess.com.au)

## Winter Chess Specials

Ring 1300 4-CHESS

Fax your purchase order  
**03 9576 8152**

We tailor packages to each individual schools' needs. Contact us for FREE ideas and resources, plus the most expert advice when it comes to chess!

- Coaching programs
- Mind Sports Programs
- Giant Chess
- Tournaments
- Sets and Boards
- Software
- Books
- Franchise opportunities

(All prices include GST)

### iChess - \$880

- Full-day Incursion
- One term school subscription to iChess
- Upgrade to 4 terms +\$220  
Normally \$1039

### The Dozen - \$360

- 12 tournament sets
- 12 tournament boards
- FREE Delivery
- Lost Piece Replacement  
Normally \$449

### Chess Demonstraion \$450

- 60-80 students receive a lesson, strategies, history and Challenge the Master
- Plus "The Dozen" Chess Sets as above.

RRP \$779

3 Tournaments sets Just \$99

Prices available until end of August or while stocks last!

Order by faxing purchase order to 03 9576 8152.

### Giant Chess (64cm) \$1275 + Bonus

- Order in July or August and get a FREE chess-board (RRP \$495 - 2.7m)
- Plus delivery @ cost  
Normally \$1760

**NEW!!**

### Delux Garden Set \$249

- 30cm High
- Sturdy pieces & board
- FREE Delivery  
Normally \$375

## Mental Muscles™ - Answers

1. Bb5+ c6 2. Re7++
1. Nc6+ Ke8 2. Nc7++
1. f7+ Ke7 2. Bg5++
1. Ng6+ hxg6 (or Kg8, or Rxc6) 2. Rxf8++
1. Bf5+ Kd6 2. Be7++
- 1...Be3+ 2. Rxe3+ Rd1+ 3. Re1 Rxe1++
- 1...Nf5+ 2. Kg4 h5+ 3. Kh3 Nf2++
- 1...Rc2+ 2. Kb1 (if 2. Kd1 Nb2++) Rxc3+ 3. Ka2 Ra3++
- 1...Rxc2+ 2. Kxh2 Rh4+ 3. Kg2 Bh3+ 4. Kh1 Bxf1++

(386)

## Answers

**Who am I?**

Robert James (Bobby) Fischer

**What am I?**

A skewer

