# Playing the Petroff 

By

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## Quality Chess

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## Preface

Welcome, dear readers, to my first opening book - on the Petroff Defence. The idea for this book first occurred during the 2018 Olympiad in Batumi, Georgia, an event which marked a turning point in my career. Having become a grandmaster in 2016, I had been coaching talented youngsters (including GM Raunak Sadhwani, who became a GM at just 13 years of age!) for quite a while and preparing opening files for them. In 2018, I was given the opportunity to work as part of a team of seconds, headed by GM Jacob Aagaard, helping the Indian Women's team at the Olympiad. Performing this work at a world-class competition required me not only to prepare opening ideas at a more intricate level, but also to supplement my ChessBase analysis with brief but lucid comments at critical moments, to help the players retain the most important information.

Sometime towards the end of the event, encouraged by the positive reception my opening preparation had received from the players, I proposed to Jacob the idea that I might write a book for Quality Chess on the Caro-Kann, my lifelong favourite response to 1.e4. Jacob replied that it would be great if I could join the Quality Chess team and write an opening book... but a future Caro-Kann book had already been planned with another author. To my great surprise, Jacob then suggested that I write a book on the Petroff Defence! My instant reaction was of disbelief: how could I write a book on an opening that I never played in my entire chess career? Jacob replied, "You are a researcher. If you research this opening well, I am sure you can present a top-class repertoire for Black in the Petroff Defence."

These words, coupled with the success of my opening preparation in the Olympiad, gave me confidence that I could face this new challenge. Jacob also mentioned that it had been many years since an in-depth book had been published on the Petroff; moreover, Quality Chess had never published such a book, so it was a great opportunity to fill this gap for readers. All this gave me added motivation to write the best Petroff book I possibly could. In addition to the Petroff itself, we also decided to include a slightly less detailed section on 1.e4 e5 lines where White avoids 2. $\dagger \mathrm{f} 3$, to give the reader all the essential information needed to meet $1 . e 4$ with $1 . . . e 5$.

## The Writing Process

I started, as usual, from scratch! The much-needed inspiration was provided by Fabiano Caruana, who employed the Petroff Defence in his World Championship match against Carlsen. The world number two was already a renowned Petroff expert, so there was no doubt that Carlsen and his team of seconds would make the Petroff a focal point of their preparation. In such a situation, many players would adopt a new opening for the match in order to surprise the opponent and avoid preparation, but Caruana stayed true to the Petroff, believing in his home analysis and the inherent soundness of the opening itself. Carlsen only played $1 . e 4$ in two of the twelve
classical games of the match, and both times Caruana drew quite comfortably with the Petroff. I was especially attracted by Game 11, where Caruana embraced opposite-sides castling and was clearly ready for a fight. I analysed the whole system in great detail (you can find it in Chapters 11 and 12) and was amazed at the dynamic potential this opening has to offer. In the game, Carlsen avoided Black's attacking ideas and went for an early queen exchange, which enabled the challenger to make a relatively easy draw. In a way, this change in the character of the play reflects the instructive value of the Petroff: aside from being a top-tier opening, it enables you to switch from sharp tactics and brutal attacks in one game to dry positions and equal endgames in the next.

## Repertoire Choices

Even though the Petroff has a solid reputation and this book is expected to give a bulletproof repertoire, I have not shied away from recommending complicated lines when the position demands such an approach - there are many such instances where Black has excellent chances to gain the initiative or an outright advantage.

Compared to a lot of opening books, the volume and complexity of analysis is not too daunting. With that being said, there are certain critical lines where the play becomes rather sharp, perhaps involving sacrificial shenanigans leading to an eventual perpetual check. Such variations are not too frequent; and when they had to be included, I have added as many comments as possible along the slippery paths, which should ease the process of memorizing the most important points. I assure you that if you study this book well, you will have every reason to be confident of getting a comfortable position out of the opening against 1.e4.

I have analysed the recommended repertoire using the strongest cloud engines possible, but they were as much of a hurdle as a boon for me, as " 0.00 " seldom tells the full story. There were several lines which I analysed through to a 0.00 evaluation, but which I rejected as unsuitable due to my own feeling that the positions would be slightly uncomfortable for Black in a practical game. Retaining one's sense of how pleasant a position would be in a practical game, in spite of what the engine may say, is a major challenge for all authors and players nowadays. At all times, I have endeavoured only to recommend lines that are relatively easy to understand and play in a practical game.

Having done so much work preparing this repertoire, I could not resist giving it a try in a tournament game, and you can find my win over IM Konguvel in the appendix on page 317. The process of researching and writing this book lasted from October 2018 (when the Olympiad ended) up until the time of publication, with a few late updates even taking place during the editing/proofreading stage. I am sure you will enjoy the benefits of my painstaking research, and face $1 . e 4$ with a smile and confidence in your future games!

GM Swapnil Dhopade
Amravati, India
April 2020

## Chapter 8

## 5．d4

## Variation Index


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B12）15．0）xe4 162

B21）13．bxc3 165
B22）13．踩xb7 166
 $5 . \mathrm{d} 4$


This move is the clear main line in terms of the overall number of games played with it．

## 5．．．d5

Sometimes Black prefers to play with a＇small centre＇but I prefer the traditional approach of gaining space and supporting the knight on e4．

## 6．賭d3

This is clearly the most active and logical way of developing the bishop in preparation for castling followed by c2－c4，undermining the knight on e4．Other moves exist of course，but none of them require any special preparation． The entire point of $5 . \mathrm{d} 4$ ，leaving the knight on e4－as opposed to $5 . \mathrm{d} 3$ ©f6 6．d4，as covered in Chapter 6 －is to treat Black＇s＇active＇knight as a target to be undermined，and putting the bishop on d3 is the only effective way of pursuing that goal．

I will mention briefly that 6．c4？！© 6 transposes to variation B2 of Chapter 5 on page 112， but $6 \ldots .$. 思 $\mathrm{b} 4 \dagger!$ is more accurate，when Black is already fighting for the advantage．

6． 0 bd 2 can be met by 6 ．．． 思f $f$ when White hardly has anything better than 7．惫d3 菟d6， transposing to 7.0 bd 2 思 f 5 in the notes below．

## 6．．．悤d6

6．．．悤e7，6．．．9c6 and even 6．．．思f5！？are all serious alternatives，but the text move is the one I have chosen to recommend．

## 7．0－0

$7 . c 4 \mathrm{c} 6$ is bound to transpose to one of the lines below，as both sides will surely castle in the near future．

7． O $^{\circ} \mathrm{bd} 2$ 思f5 8．0－0 $0-0$ transposes to the note on 8.0 bd2 below．

## 7．．．0－0 8．c4

This is the most popular and principled move．I checked three sidelines：

8． 0 bd 2 should be met by 8 ．．．思f5，developing while supporting the knight on e4．9． me 㟧e8 10.0 f 1 思 g 6 The bishop retreats to a safer square．11．${ }^{\text {D }}$ e3 3 c6


12．c4 White tries to shake the stability of the central knight but $12 \ldots . \mathrm{f}_{\mathrm{f}}$ is a convenient
 Black had no problems in Anand－Caruana， Saint Louis 2018.

## 

This is our typical reaction whenever the e4－knight is attacked．
9．0．03！？
9． 0 bd 2 transposes to the 8.0 bd 2 line above．
$9 . c 4 \mathrm{c} 6$ transposes to variation $B$ ．

9．．． Oxc3 10．bxc3 蒐xd3 $^{\text {x }}$
 11．Minx xd 3

11．cxd3 骂e8＝
11．．．9 d7 12．©b1


In Carlsen－Shirov，Moscow 2006，the simplest continuation would have been：

## 12．．．骂 e ！ $\mathrm{N}=$

White cannot really justify taking on b7 as his rook will be cut off after ．．．${ }^{\circ} \mathrm{b} 6$ ，so Black has no problems．

8． 0 c3
This move has also been tried by some strong players but it is not at all challenging for Black．

## 8．．． $0^{2 x c} 3$ 9．bxc3 思g4

This pin can be annoying for White．

12．c4 is met by $12 \ldots . . c 613 . c x d 5$ cxd5 14．c4 dxc4 15．思xc4 4 c6＝followed by ．．．㿾c8 and Black was doing well in Obregon－Proleiko， Internet 2018.


12．．．c6
Black intends to complete development with ．．．${ }^{\circ} \mathrm{d} 7$ followed by ．．．${ }^{\text {ing }} \mathrm{c} 7$ ．
$13 . c 4$
White has to go for this break sooner or later．If he delays it，Black may consider ．．．b5 at some point，eliminating the possibility of c3－c4 once and for all．
13．．．dxc4 14．思xc4（4）d7 15．悤d3 品e8＝
Black is fine and the players soon agreed a draw after：
 19． 0 e 4

1／2－1／2 Fedoseev－So，Tbilisi 2017.


8．．．c6
White has tried several moves from here；the remainder of the current chapter will focus on A）9．cxd5 and B）9．${ }^{\text {en }}$ e1．

The two most popular and challenging options are 9 ． Chapters 9 and 10 respectively．

I also considered：
9．쓴 b 3 dxc 4
This seems like the simplest reply．
10．悤xc4 ${ }^{\text {d }} \mathrm{d} 7$
Intending ．．．$\triangleq \mathrm{b} 6$ or ．．． 9 f 6 ．

## 

11．．． 0 ef6！？ N is also possible，and if 12.0 g 5

 compensation for the pawn．

## 12． $\mathrm{Q}^{\mathrm{b}} \mathrm{bd} 2$

12． 0 c 3 can be met by $12 \ldots$ xc3 13．bxc3 b5！14．思d3 悤e6 15 ．䠦c2（or 15 ．品xe6！？fxe6 16．踩xe $6 \dagger$ 克h $8 \overline{\bar{\infty}}$ when White has enough compensation to maintain the balance，but nothing more） $15 \ldots \mathrm{~h} 6=$ and Black is fine．

Breaking the battery on the a 2 －g8 diagonal． 14．嗞d3

Now an important improvement is：


14．．．思g4！N
Completing development as quickly as possible．
14．．．塑x xb2？allows White to gain a strong initiative，and he went on to win a spectacular attacking game in Paravyan－Golubov，
St Petersburg 2018.
15．${ }^{\text {Q }}$ e5 品ad8！$=$
Black is doing fine in this IQP position．

## A） $9 . \mathrm{cxd} 5 \mathrm{cxd} 5$

I find it hard to believe that releasing the tension so soon can offer White real chances for an advantage．

## 10．0．0 3

10．${ }^{4} \mathrm{~m}$ b3 c6 11.0 c 3 gives Black a choice between $11 \ldots$ ．．． me 8 ，transposing to the $11 . \mathrm{M}_{\mathrm{M}}^{\mathrm{m}} \mathrm{b} 3$ line in the notes below，and 11．．．9xc3，which is also perfectly playable．

## 10．．．骂e8！？

10．．． $\mathrm{xx}_{\mathrm{xc}} 3$ has been more popular but I prefer to support the knight rather than exchange it， for the moment at least．

## 11．剈 c 2

11．包xd5？思xh2 $\dagger$ 12．高xh2 䠦xd5 13．号e1 ©c6 gave Black the easier game due to his safer king and pressure against the d4－pawn in Van Tricht－Hofer，corr． 2014.

 was fine in Lagno－Koneru，Doha 2016.

11． m b3 c ！is an important detail，when White should try：

 and Black seizes the initiative，Sandaogo－ Oppermann，corr．2005）The text move puts pressure on the e 4 －knight and forces Black to take a decision，but the cool 12．．．思e6！makes it impossible for White to take on e4，and after 13．${ }^{n} \mathrm{mb}$ xb4 the game is likely to end in a


## 11．．．思f5

Black defends his knight in the usual way and intends ．．．c6 next．

## 12．${ }^{2 \pi} \mathrm{H} \mathrm{b} 3$

12．号el？！is met by $12 \ldots$ ．．． c 6 ！threatening ．．．0b4．13．a3 品c8


14．思e3N（14．${ }^{2} \mathrm{~m} \mathrm{~b} 1$ ？？ran into the crushing 14．．． Vxd $^{\text {a }}$ ！－＋in Kunschek－R．Fritz，Vienna 2012） 14 ．．．思g $6 \mp$ All the black pieces are well placed，especially the knight on e4．

The text move hits both d 5 and b7，but Black can calmly ignore both attacks with：


## 

This seems like the most principled follow－ up to White＇s previous move，but the whole concept is flawed．

13．${ }^{\text {ni m }} \mathrm{xb} 7$ ？！would also be a mistake due to 13．．．${ }^{\text {b }}$ b！，threatening not just the d3－bishop， but also ．．．घe7 trapping the queen．14．思xe4 dxe4 15．呈e5 念xe5 16．dxe5 d3 $\overline{+}$ Black＇s pieces are too active．

13．思e3 is the best that White can do，although 13．．． $0^{\text {d }} 2$ ！14．$\sum^{x d}$ 2 思xd3 still reached a position where Black had the slightly more comfortable side of equality due to his bishop pair in Dunn－Shchepetnev，email 2002.

## 13．．．思g 6

There are too many threats for White to handle comfortably．

## 14．宽xe4

 15．0xd40c5天．

## 14．．．宽xe4 15．䠦h5

Now we have a chance to improve Black＇s play with：


15．．．g6！ N
Black took on f3 immediately in Rosch－ Portune，email 1997，but it is worth making a slight improvement to the kingside structure first．

## 

Black has a nice initiative as White still needs to develop his queenside．

B） 9 ．${ }^{\text {员 } e} 1$


This move is consistent with White＇s aim of targeting the e 4 －knight．Over the next few moves，he will continue to put pressure on this piece，and possibly the black queenside as well．

## 9．．．思f5

White＇s two main options are B1）10．歇c2 and B2）10．${ }^{[\mathrm{um}} \mathrm{b} 3$ 3．
10.0 c3 is a harmless move which leads to nothing but piece exchanges： $10 \ldots 0 \mathrm{xc} 3$



Black＇s position is fine，and after the further
 c5 18．dxc5 a draw was agreed in Anand－ Caruana，Saint Louis 2016.

10．cxd5 cxd5 11．0） 3
White has tried this in a few top－level games． Black is of course happy to trade some pieces with：

It is important to note that White only has one truly threatening idea，which is to play 0 g 5 ，intending to meet ．．．g6 with ＊irh3，forcing a further weakening of Black＇s kingside with ．．．h5．The simplest way to prevent this is：
13．．．登e8！
Challenging White along the e－file．
14．思g5
14．骂xe8 $\dagger$ 蹓xe8 15 ． g b 1 is simply met by $15 \ldots \mathrm{~b}$ 16． m m b 5 me e6．It is worth adding that 17 ．${ }^{\mathbf{8}} \mathrm{f} 4$ ！？is a creative attempt to get the rook to the e－file with gain of tempo，but 17．．．思f8！＝keeps things solid，with a fine position for Black．

White has to create some imbalance before Black can catch up in development and exploit the weaknesses on White＇s queenside．
16．．．惫xe5 17．dxe5 h6


18．e6！？
A clever tactic，but it does not give White any advantage．
18．．．fxe6 19．．$x$ xh6 © $6=$
The players soon agreed a draw in Blanco Gramajo－Straka，corr． 2014.

B1）10．踖c2 26


We have seen the knight being developed to a6 to good effect in a number of the earlier chapters，and here it has the additional benefit of winning a tempo thanks to the threat of ．．．${ }^{\circ} \mathrm{b} 4$ ．

## 11．a3 惫g6

The bishop moves to a safe square，ensuring that 9 c 3 will not be a problem．

## $12 . \mathrm{c} 5$

12．© c3？！simply offers to exchange two minor pieces in a way that cannot possibly benefit White：12．．． $0 x \mathrm{x} 3$ 13．思xg6 hxg6戸 followed by ．．．dxc4 and White was positionally worse in Galliamova－Kosteniuk，Kazan 2004.

## 12．．．宽b8

Black should choose this square for the bishop in order to keep c7 free for the knight．

## 13．0c3

The other way to challenge the e4－knight is： 13． 0 bd 2
I find this less logical than the main line，as the bishop will be blocked on c1．Black of course responds with：
13．．．f5
Cementing the knight on e4．

## 

Black has other possible ways to continue but I would prefer this solid move．


15．蒐xa6
15．璺a 4 was played in a blitz game between two strong engines．White forces the a6－knight to go back to c 7 which will allow气e5．However，after 15．．． 0 c7 16．©e5 品f8 17． 0 xg6 hxg6 Black has good attacking prospects on the kingside，as shown after 18．思e2 2 e6 19． $0 x=4$ fxe $4 \rightarrow$ in Rybka 4.1 － Booot 6．2，engine game 2017.
15．．．bxa6
Black＇s damaged queenside structure is of little concern，as he has two bishops and nice play on the kingside．

Black＇s play on the kingside more than compensates for the weakened queenside pawn structure，Williamson－Straka，corr． 2017.


## 13．．．f5

Black provides full support to his centralized knight．The critical reply is：

## 14．윰 b3

14．b4？was a mistake in Holemar－Bartos， Brno 2007，when 14．．． 9 c 7 ！N intending ．．．${ }^{\circ} \mathrm{e}$ e6


14．0 e 2 宽 $\mathrm{h} 5 \rightleftarrows$ gives Black nice prospects on the kingside，especially after 15．． $\mathrm{S}_{\mathrm{B}}^{\mathrm{f}} 4$ ？思xf3 16．gxf3 $\mathrm{C} x \mathrm{x} 2$ ！$\mp$ as seen in Aguero Jimenez－ Ippolito，Barcelona 2018.

## 14．．．思h5！

Black sacrifices a pawn and goes for a direct assault on the kingside．

White has to accept the challenge by capturing e4 twice，which he can do by means of B11）15． 悤xe4 or B12）15．$^{\text {Pxe4．}}$

15．${ }^{\text {Mig x } x b 7 ? ? ~ j u s t ~ l o s e s ~ t o ~} 15 \ldots$ 思xf3，and if 16．gxf3 欮h4－＋Black will crush on the kingside．



Black should weaken the white king＇s defences with：

## 16．．．蒐xf3 17．gxf3 蹓d7

The queen is well placed here，supporting the b7－pawn while being ready to shift to the kingside．

## 18．${ }^{\text {On }} 3$

White settles his knight on an excellent defensive square．White is a pawn up but the doubled pawns on the f－file do not add much value to his position．

18． C d6？would be a misguided attempt to provoke the exchange of Black＇s strong bishop． $18 . . . b 6$ ！is a strong reply，and after 19．思e3 삠f3干 Black wins back the pawn while White＇s kingside is too weak．

18． g 5 ？with the idea to place the knight actively on e6 is also bad．Play continues
 move is：


20．．． $\mathrm{B}_{\mathrm{B}}^{\mathrm{c}} \mathrm{c} 7!\mp$ Black is ready to bring the a8－rook into action，and the b7－pawn is untouchable due to ．．．思xh $2 \dagger$ ．

Now Black has two ways to continue，my favourite being：


## 18．．．思f4！

Black offers the exchange of bishops，but the main purpose of the text move is to bring the a8－rook into action．

18．．． C 7 ！？is an interesting dynamic possibility， whereby Black sacrifices another pawn in order to bring the knight to e6．19．${ }^{[\mathrm{Mm} x b 7}$ White should accept the challenge，otherwise the knight comes into action free of charge． 19．．．a5！Black wants to play ．．．घa7，driving the enemy queen away in order to facilitate ．．．包e6．20．思g5 品7 21．䠦b3 a4 Fixing White＇s queenside pawns．（The immediate $21 . . .{ }^{\text {D }}$ e6 is
 White stops ．．．${ }^{\text {Q }}$ e6 for now． $22 . . .{ }^{\circ} \mathrm{b} \mathrm{b} 7 \overline{\bar{\infty}}$


Even though Black is two pawns down for the moment，he has strong compensation． The b2－pawn is weak，Black has pressure
down the b －file and ．．．品 b 3 is on the cards as well，hitting the queen and the f3－pawn．My

 and Black still has full compensation．

## 19．${ }^{\text {en }} \mathrm{e} 2$

19．思e3？！is inferior as it allows Black to bring his knight into play：19．．．${ }^{(1)} \mathrm{c} 7$ ！20．思xf4品xf4 21．쌤xb7 笑ff8 Threatening to trap the
 is ready to wreak havoc on White＇s kingside．

## 19．．．g5！？$\overline{\bar{\omega}}$

In Kratz－Rennert，email 2006，Black was ready to bring the a8－rook into play，either by bringing it to e 8 or by doubling along the f－file．

## Abridged Variation Index

The Variation Index in the book is 7 pages long. Below is an abridged version giving just the main variations, not the sub-variations.

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## Chapter 9

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