SUMMARY

On June 28, 2011 International Computer Games Association (ICGA) president Dr. David Levy announced that chess programmer Vasik Rajlich, whose program Rybka had won world computer chess championship tournaments organized by the ICGA in 2007, 2008, 2009 and 2010, had been found to have plagiarized the work of Fabien Letouzey, author of chess program Fruit, in violation of tournament rules.[1] These allegations were made via press release and were widely reported internationally.[2] Rajlich was stripped of all titles and banned for life from future ICGA competitions.

Since this announcement, Rajlich has consistently maintained that the ICGA’s allegations are wholly without merit. The charges have been comprehensively challenged by several disinterested experts in the field (among them Ed Schröder, a two-time ICGA world champion) and from outside the field copyright specialist Andrew Dalke. [3] [4] [5]

A technical analysis of the evidence the ICGA produced in support of their charges is outside the scope of this complaint, however. The sole focus of this document concerns the ethical standards of the ICGA process that led to the lifetime ban of IM Vasik Rajlich from ICGA events and the willful besmirching of his reputation.

IM Vasik Rajlich is a FIDE member and has been damaged and unfairly treated by an organization that is affiliated with FIDE.

The ICGA[6] is an affiliate of FIDE.[7] As detailed in the Ethics Commission Guidelines, “the Ethics Commission cumulates both the power to investigate and the power to judge on breaches of the Code of Ethics.”[8] This complaint contends that the ICGA or its appointees have breached several articles of the FIDE Code of Ethics, specifically:

2.2.2
Office bearers who through their behavior no longer inspire the necessary confidence or have in other ways become unworthy of trust.

2.2.3
Organizers, tournament directors, arbiters or other officials who fail to perform their functions in an impartial and responsible manner.

2.2.4
Failure to comply with normally accepted standards of courtesy and chess etiquette. Misbehavior of a personal nature which is generally unacceptable by normal social standards.

2.2.10
In addition, disciplinary action in accordance with this Code of Ethics will be taken in cases of occurrences which cause the game of chess, FIDE or its federations to appear in an unjustifiable unfavorable light and in this way damage its reputation.
Anyone acting in contravention of this code can be excluded from participation in all FIDE tournaments or from specific types of tournaments for a period of up to 3 years. Weight shall be given to the type of violation and to any previous violations in decided upon the length of the exclusion period.

2.2.9
Players or members of their delegations must not make unjustified accusations toward other players, officials or sponsors. All protests must be referred directly to the arbiter or the Technical Director of the tournament.

PARTICULARS

1. **The ICGA Clone and Derivative Investigation Panel and Secretariat**

On February 19, 2011, in response to charges advanced by Fabien Letouzey and elaborated by several chess programmers, ICGA head Dr. David Levy announced the formation of an investigatory panel as follows:

I am pleased to be able to announce the establishment of the ICGA Clone and Derivative Investigation Panel.... The Secretariat comprises [Dr.] Robert Hyatt, Mark Lefler and Harvey Williamson.[14]

He empowered a Secretariat to assemble a panel of approved experts, to manage the panel’s investigation, and to write a report upon which a final verdict would be based:

The ICGA top-down approach:

1. The ICGA board who speaks the final verdict based on the report of the Secretariat
2. The Secretariat being in control of managing the Panel [14]
3. The Panel, a collection of experts approved by the Secretariat.

The structure and charter of the panel was unexceptional. However, impartiality was clearly a paramount requirement within the powerful Secretariat, which served as gatekeeper to the panel, managed the proceedings, decided whose evidence to weigh most heavily, framed the arguments, and all but formally rendered the final verdict. It was therefore problematic and unethical for members of the panel to have a stake in the outcome, or to have expressed long-standing hostility and prejudice toward the accused. And yet:

1. Harvey Williamson was and is a long-time member of the HIARCS development team. The HIARCS team stood to become world champion following a guilty verdict against Rajlich and thus Mr. Williamson had an obvious stake in the outcome. In due course HIARCS did become world champion retroactively following the guilty verdict.
2. Dr. Robert Hyatt, a distinguished computer scientist with ties to chess programming dating back more than four decades, has been an outspoken critic of Rajlich dating back years before the ICGA investigation started. Moreover, his obsessive behavior and intemperate commentaries in the wake of the ICGA decision reveal a great deal about his lack of judicial temperament. Dr. Hyatt has posted several thousand messages in the Rybkaforum (a site owned by Rajlich) concerning the Rybka case over the span of six months, many of them insulting and vituperative, clearly unacceptable in the de facto head of an investigative panel with quasi-judicial responsibilities. Appendix A contains a small sample of his colorful writing.

Turning to the Panel itself, it contained 34 people approved by the ICGA Secretariat. All members of the Secretariat rejected the inclusion of a well-known critic of the Rybka allegations, retired Chess Programmer Chris Whittington.\[15\]

Of the 34 people approved, 10 were not chess programmers and thus were not qualified to judge the evidence, a position confirmed by Dr. David Levy, who stated,

> I agree with you that chess programmers and those who are experts on the techniques employed in chess programming are the only ones who can make detailed judgments on whether or not one program copies from another.\[16\]

Of the remaining 24 chess programmers, seven were direct competitors of Rybka, namely the authors of chess engines Junior, Critter, Stockfish, Komodo, HIARCS, Shredder and Rondo. Three of these seven programmers stood to become retroactive world champions following a guilty verdict: all three of them voted guilty.\[17\]

Rajlich was entitled to face a panel of his peers, and it is true that his peer-group was quite small. However, it is also true that any panel stacked with direct competitors was inherently likely to be biased. These competitors, it must be mentioned, had suffered continuous defeats over the course of dozens of tournaments spanning five years (see Appendix B and the lopsided winning scores Rybka consistently obtained). They had seen their commercial prospects diminish, and with the advent of the Rybka Cluster, saw no end to Rybka’s dominance in sight.

In essence:

1. Rybka faced a tribunal where, metaphorically speaking, the silver and bronze medalists were in a position to decide the fate of the gold medalist.

2. Rybka was tested for “doping” and none of the other competitors were.

This complaint contends that no panel with such a concentration of vested interests ought to have sat in judgment. When confronted with the above criticism Dr. David
Levy saw no reason to retract anything and considered the matter "case closed".\[18\]
It seems bizarre for the chairman of the ICGA to serve in the role of judge and executioner without caring about the composition of his own panel.

Rybka programmer Vasik Rajlich did initially co-operate with the ICGA investigation panel, even offering a phone call to David Levy to discuss matters. This offer was rejected and Rajlich rightly concluded that any further contact with the ICGA investigation was pointless. Doing so would have lent legitimacy to their proceedings and put him in a position of having to plead innocence to a panel pre-convinced of his guilt.

In Rajlich’s own words:

It was clear that the ICGA had no intention of handling things in a fair manner. They made loud and unnecessary public accusations. They put vocal Rybka critics in charge. They did not investigate any other engines. And so on.\[19\]

And to David Levy via email:

From: Vasik Rajlich
Subject: Re: Open letter to the ICGA about the Rybka-Fruit issue
To: "David Levy"
Cc: "Larry Kaufman"
Date: Wednesday, March 2, 2011, 7:21 AM

Hi David,

I prefer to plead my case with the final arbiter rather than with the accusers.

Re. the schedule - could we have the final hearings in October or November? I’d like to prepare properly, and my schedule is very full until the first week in October.

Best regards,

Vas

In sum, it is our contention that:

1. Two of the three individuals appointed to serve on the ICGA's Secretariat were demonstrably unfit to serve in any capacity in the Rajlich matter, let alone in the organizing and managing role of the Secretariat,

2. One of the individuals, arguably the leading figure on the Secretariat, demonstrated clear bias against Rajlich long before the investigation began,

3. The panel of 34, viewed as a whole, could not have been reasonably expected to deliberate impartially under the prevailing milieu of commercial and competitive vested interests.
2. ICGA Imposition of Lifetime Ban

Further evidence of the ICGA’s bias against Rajlich is the extreme nature of the penalty the ICGA imposed and continues to impose. It is the contention of this complaint that, whatever the merits of the ICGA’s case, their imposition of a lifetime ban against IM Vasik Rajlich for “plagiarism” is a violation of FIDE ethics rule 3.2 and unprecedented in the annals of chess.

3.2
Anyone acting in contravention of this code can be excluded from participation in all FIDE tournaments or from specific types of tournaments for a period of up to 3 years. Weight shall be given to the type of violation and to any previous violations in deciding upon the length of the exclusion period.

3. Procedural breaches

While the technical analysis of the evidence the ICGA produced in support of their charges is outside the scope of this complaint we like to address just one ethical breach as stated in the Press release[1]

David Levy - During the course of the investigation and upon presentation of the Secretariat’s report Vasik Rajlich did not offer, despite repeated invitations from the ICGA to do so, any kind of defense to the allegations, or to the evidence, or to the Secretariat’s report, other than to claim in an e-mail to myself on May 13th 2011 that:

Rybka has does not "include game-playing code written by others", aside from standard exceptions which wouldn’t count as ‘game-playing’.

The vague phrase "derived from game-playing code written by others" also does not in my view apply to Rybka.

This is clearly not true. From the correspondence[20] Vasik Rajlich:

1. Vasik Rajlich offered defense addressing "all moves same" of rule 2
2. Vasik Rajlich offered defense addressing “ponder-hit”.
3. David Levy did not pass the defenses to the Panel that was in charge.

While the Charter[14] clearly states the Panel is in charge to weigh and judge all evidence chairman David Levy withheld Rajlich’s two defenses to the 34 Panel members.

From the Charter[14]

The purpose of the Panel shall be to:

[a] Investigate and discuss allegations of cloning or creating a derivative of strategy games programs;

[b] Report to the ICGA as to the veracity or otherwise of such allegations;
[c] Make recommendations to the ICGA as to what action if any should be taken against those found by the Panel to have been guilty of cloning or creating a derivative;

[d] Publish the findings of the Panel.

It is perfectly reasonable for someone who has been hunted for five years to wait until the accusers have assembled their case and then respond, which VasiR Rajlich did. However, the ICGA simply did not take his responses seriously, having already made public accusations.

4. Other ICGA irregularities

Preparation of this complaint has brought to light some points that call into question the ICGA’s ethical standards in a variety of ways.

The first point that must be made about the ICGA is that its legal and tax status allow it to conduct business in a way that is in sharp contrast with the transparency of FIDE, as explained by David Levy in an interview: [6]

[Question] Tell us a little more about the ICGA: in what jurisdiction is it registered, where does it make its tax returns and who is legally and financially responsible for the organization?

Chairman David Levy - I do not see what connection this has with the Rybka scandal but I am happy to answer the question anyway. The ICGA is a non-profit organization and as such we have no obligation to register anywhere for tax or legal purposes. We do not make tax returns, and on all our invoices we state that no VAT is payable [for the benefit of readers outside Europe, VAT is a type of sales tax imposed on many goods and services in many European countries].

As I have stated earlier in this interview, the question about who is legally and financially responsible for the organization comes under Article III Section 1 of the ICGA Constitution, which is always published in the ICGA Journal prior to the triennial meeting at which ICGA office bearers are elected. Section 1 states that the Executive Committee of the ICGA is charged with the administrative affairs of the association.

4.1 ICGA affiliate does not recognize the FIDE Code of Ethics

The ICGA’s Charter fails to mention that it operates under the FIDE Code of Ethics. On the contrary, the ICGA’s Charter hews a completely independent path on questions of ethics as can be seen by the following text, which directly contradicts FIDE’s rule 3.2 previously cited.

[h] The ICGA shall consider the reports and recommendations of the Panel and shall at its sole discretion decide upon what action if any should be taken. The sanctions that the ICGA might take against those found guilty of cloning or creating a derivative include but are not limited to...banning the guilty person(s) from participation in future ICGA events for any period deemed appropriate by the ICGA
4.2 Privacy breach

ICGA has committed a breach of privacy by publishing private emails from Vasik Rajlich online without his consent.[20]

4.3 Copyright breach

ICGA has committed a breach of copyright by publishing online the secrets of Rybka (i.e. a private individual’s source of income) for everyone to download, apparently under the presumption that the ICGA has the authority and right to declare illegitimate and render commercially worthless any private product that it deems in violation of its tournament rules. This act of shocking lawlessness enables the process of reverse engineering (i.e. intellectual property theft), which is against EU law and a punishable crime.[21]

Apparently the ICGA believes that it is the supreme ruling body of computer chess, and that its actions and decrees are the final word on all matters related to computer chess. We do not recognize the ICGA as such a body and wonder from where such outlandish pretensions derive their legitimacy.

From the Wikipedia

European Union

Article 6 of the 1991 EU Computer Programs Directive allows reverse engineering for the purposes of interoperability, but prohibits it for the purposes of creating a competing product, and also prohibits the public release of information obtained through reverse engineering of software.[24][25][26]

In 2009, the EU Computer Program Directive was superseded and the directive now states:[27]

(15) The unauthorized reproduction, translation, adaptation or transformation of the form of the code in which a copy of a computer program has been made available constitutes an infringement of the exclusive rights of the author. Nevertheless, circumstances may exist when such a reproduction of the code and translation of its form are indispensable to obtain the necessary information to achieve the interoperability of an independently created program with other programs. It has therefore to be considered that, in these limited circumstances only, performance of the acts of reproduction and translation by or on behalf of a person having a right to use a copy of the program is legitimate and compatible with fair practice and must therefore be deemed not to require the authorization of the right holder. An objective of this exception is to make it possible to connect all components of a computer system, including those of different manufacturers, so that they can work together. Such an exception to the author’s exclusive rights may not be used in a way which prejudices the legitimate interests of the rightholder or which conflicts with a normal exploitation of the program.
4.4 Impartially of the ICGA Secretariat

[Dr.] Robert Hyatt, Mark Lefler and Harvey Williamson. [14]

It’s a mystery how ICGA chairman David Levy possibly could install a biased person like Dr. Robert Hyatt who already 3 years before the investigation started was an outspoken Rybka critic in such a powerful position because Dr. Robert Hyatt was actively campaigning against Rybka in hundreds of forum postings. A few examples from the many.

From 2008 – Robert Hyatt when discussing the alleged cloning in the thread Rybka questions and answers – Mine is the same, but the evidence has become substantial. We have the gun that killed someone. We have fingerprints on the gun. We have gunshot residue on the suspect. We have established motive. We have established opportunity. The suspect was seen entering and leaving the building during the time the victim was killed. Gunshots were heard from inside the building while the suspect was there. The suspect had victim’s blood on his clothes. All we lack is an eye-witness. But the case _still_ looks pretty bad and people have been convicted on far less.

From 2010 - Robert Hyatt - What part of the discussion do you not understand? Vas said "There is no fruit code in Rybka." There is absolutely fruit code present and it has been shown. Some say "but that is not evaluation" to which we have pointed out that there are lots of evaluation constants (piece/square tables and such) copied directly from fruit as well. So "A is true, someone says "A is false" then the person making that statement is simply a liar. Nothing more to say. A liar is a person that makes a false statement, _knowing_ that it is false. Which is somewhat different from making a statement you believe to be true and then later finding out it is false. Here it is black and white.

And also during the investigation a collection of posts Mr. Hyatt actively campaigning while a man in his position of power should be silent.

Then there is Mr. Hyatt’s personal dislike of Rybka programmer Vasik Rajlich, some quotes:

1. My one and only complaint with Vas was that (a) he spent a couple of years asking all sorts of questions, which I and many others painstakingly answered, (b) then he ran away and decided to not reveal anything he found that was new.

2. OK, then what about the people that come here, ask questions, get lots of ideas and algorithms from active programmers, then they find a new idea, hide it and go commercial. I think they are "hooligans" just as much as this case.

3. From just about the biggest liar I have seen in recent computer chess history... Perhaps second only to Vas. Perhaps not...
5. Complaint

Since the ICGA verdict of June 28, 2011 the ICGA-Rybka controversy has continued to rage in the computer chess fora. All of the listed criticism in this document has been discussed ad infinitum and unfortunately the ICGA is not willing to retract, rephrase or rethink its findings. The option of a higher appeal (this time with an unbiased Secretariat and Panel) was rejected immediately.

Because the ICGA is affiliated with FIDE, and thus claims to have the approval of FIDE, we request:

1. That FIDE stop recognizing the ICGA until FIDE is convinced the leadership and management of ICGA satisfies all ethical standards in line with FIDE’s charter.

2. That FIDE rule that the lifetime ban of Vasik Rajlich for “plagiarism” is not in alignment with the spirit and letter of FIDE’s ethics code, and and rule on specific ethics breaches in relation to clauses 2 2 2, 2 2 3, 2 2 4, 2 2 10 and 2 2 9 in particular ruling on the impartial make up of the Secretariat and Panel and ICGA Officer actions, statements, taking into account the irreparable damages that have already been done to Vasik Rajlich by the ICGA and to computer chess in general, both as a creative endeavor and as a hobby.

1.4 This Code of Ethics is applicable to:

- FIDE office bearers,
- member federations, delegates and counselors,
- affiliated organizations
- organizers, sponsors
- all competitors in FIDE registered tournaments.

This Code of Ethics shall govern what action may be taken against any person (meaning either an individual or organization) who deliberately or through gross negligence violate the rules and regulations of the game or neglect to observe the precepts of fair play.
APPENDIX A

The public behavior of Mr. Hyatt of the ICGA Secretariat to various people who argued against his views.

1. “From just about the biggest liar I have seen in recent computer chess history... Perhaps second only to Vas. Perhaps not...”

2. Mr. Hyatt to professor Søren Riis – “You are simply an outright liar.”
   - Professor Søren Riis is a computer scientist working at London’s Queen Mary University who, supported by several chess programmers, wrote a 31-page article appearing in Chessbase’s website wherein he argued that “the ICGA's findings were misleading” and the decision to punish Rybka and its programmer Vasik Rajlich "lacked any sense of proportion.”[4]

3. “You are both a liar AND an idiot.”

4. Mr. Hyatt referring to Cock de Gorter, chairman of the CSVN – “They are idiots. And liars.”
   - The CSVN founded in 1980 is an organization that organizes two prestigious computer chess tournaments annually. When the CSVN did not ratify the ICGA verdict and instead welcomed Rybka again to their tournaments Dr. Hyatt lost all control.

5. “Does it _really_ matter whether it is 1 year, 5 years or a lifetime ban?”

6. “There are DOZENS of known clone programs that no one is investigating, because they won't enter WCCC/CCT/ACCA events (all of which use ICGA rule 2). What a F-ing idiot YOU are.”

As part of FIDE’s research into this complaint, a visit to www.rybkaforum.com is essential. We ask you to perform a search of user ‘bob’ with the words ‘idiot’, ‘liar’, ‘bull’, ‘crap’, ‘stupid’ and ‘moron’ to get a fair idea of the tone and temper of Dr. Hyatt’s commentaries and to form an impression of his ability to offer objective, even-handed judgments of a leading programmer who reputation for innovation had surpassed his. We concede that Dr. Hyatt has often been provoked to anger in the arena of freewheeling public debate. Yet there is not a trace of conciliation to be found; all one sees is a spirit of absolute certainty, relentless prosecution and insulting dismissal of those who offer different views, including those who have offered strong, serious and well-grounded dissents.

On two occasions a complaint was filed to chairman David Levy about Dr. Hyatt’s public insulting behavior. The standard answer of Dr. Levy was that he did not want to be involved.

APPENDIX B – Rybka Timeline

4 Dec 2005 Free chess program Rybka 1.0 Beta is released and immediately surpasses contemporaneous programs by a considerable margin on all ELO rating lists measuring program strength.


Early 2006 Rybka goes commercial.

27 Feb 2006 Rybka wins Internet Computer Chess Tournament (CCT) 8 with a score of 8/9.

16 Mar 2006 Rybka 1.1 released.

19 Mar 2006 One unaided Rybka takes clear first place in the CSS/PAL Freestyle main Tournament.

3 May 2006 Rybka 1.2 released.


4 Jun 2006 Rybka finishes 3rd in 14th World Computer Chess Championship in Turin with 8.5/11.

9 Jun 2006 Earliest beta versions of Rybka 2 released.

26 Jun 2006 Rybka team wins CSS / PAL Freestyle main tournament with 6.5/8.

16 Jul 2006 Rybka team wins CSS / PAL Freestyle final with a score of 5/7.

19 Jul 2006 Rybka 2.1 released.


26 Nov 2006 Rybka 2.2 released.

30 Dec 2006 Rybka wins 16th IPCCC in Paderborn with a score of 6.5/7.

15 Feb 2007 Rybka 2.3 released.

18 Feb 2007 Rybka wins CCT 9 with 6/7.


18 Jun 2007 Rybka wins 15th World Computer Chess Championship in Amsterdam with 10/11.

18 Jun 2007 Rybka 2.3.2a released.


30 Dec 2007 Rybka finishes 2nd in the IPCCC 2007, 5.5/7, behind Hiarcs, winner on tiebreak.

27 Jan 2008 Rybka wins CCT 10 together with Naum.
9 Aug 2008  Rybka 3 released >100 Elo stronger than nearest rival; Rybka 2 now free.
28 Sep 2008  First version of Rybka Cluster participates in the WCCC in Beijing
22 Mar 2009  Rybka wins CCT 11 rapid and blitz tournaments, making only one draw.
13 May 2009  Rybka wins chess tournament at the 14th Computer Olympiad, scoring 5/5.
16 Aug 2009  Rybka wins 3rd ACCA World Computer Rapid Chess Championship with 10.5/12.
13 May 2010  Earliest beta versions of Rybka 4 released; now 30 Elo stronger than nearest rival.
1 Oct 2010  Rybka wins 18th World Computer Chess Championship in Kanazawa, Japan, with 8/9. Blitz tournament was also won by Rybka with 8/9.
15 Dec 2010  Chess program Houdini 1.5 released, first to surpass Rybka on Elo rankings in five years.
23 Jan 2011  Fabien Letouzey alleges Rybka use of Fruit source code (from June 2005, 5½ years after) in open letter.[9]
19 Feb 2011  ICGA head David Levy publishes column in ChessVibes regarding program cloning.[10]
1 Mar 2011  Several programmers publish open letter to ICGA requesting investigation of Rybka.[11]
28 Jun 2011  ICGA finds Vasik Rajlich guilty of plagiarism; strips four WCCC titles and bans for life.[12]
4 Jul 2011  Rajlich categorically denies ICGA charges.[13]
12 Aug 2011  The CSVN speaks out. Rybka is welcome again.
13 May 2012  Rybka wins ICT 12 in Leiden with 6.5/7
FOOTNOTES

[1] ICGA press release


[3] Vasik Rajlich - ICGA correspondence


[6] David Levy The ICGA is a non-profit organization and as such we have no obligation to register anywhere for tax or legal purposes. We do not make tax returns, and on all our invoices we state that no VAT is payable [For the benefit of readers outside Europe, VAT is a type of sales tax imposed on many goods and services in many European countries.]

[7] ICGA FIDE affiliated

[8] FIDE Code of Ethics


[10] ICGA head David Levy publishes column in ChessVibes regarding program cloning


[12] ICGA finds Vasik Rajlich guilty of plagiarism; strips four WCCC titles and bans for life.


[14] The ICGA charter

[15] The 34 Panel members. The ICGA’s web-page covering this topic was blocked August 27, 2012. An alternative source of information is the CPW website.

[16] David Levy states only chess programmers have the skills to judge. I agree with you that chess programmers and those who are experts on the techniques employed in chess programming are the only ones who can make detailed judgments on whether or not one program copies from another.

[17] The ICGA’s web-page covering this topic was blocked August 27, 2012. An alternative source of information is Ed Schröder's website.

[18] When confronted with the above criticism Dr. David Levy saw no reason to retract anything and considered the matter "case closed".

[19] Rajlich - It was clear that the ICGA had no intention of handling things in a fair manner. They made loud and unnecessary public accusations. They put vocal Rybka critics in charge. They did not investigate any other engines. And so on.

[20] ICGA has committed a breach of privacy by publishing emails from Vasik emails from Vasik Rajlich online without his consent. Note that since August 27, 2012 these emails were removed, however a copy is available including witnesses.

[21] Evidence of published reversed engineered material, a punishable crime under EU law.
Signed by,

Vasik Rajlich author of Rybka

Co-signed by,

Dr Søren Riis
Chris Whittington
Ed Schröder

Date  August 31, 2012