

## CYBER CRIMINALS ON TRIAL

As computer-related crime becomes more important globally, both scholarly and journalistic accounts tend to focus on the ways in which the crime has been committed and how it could have been prevented. Very little has been written about what follows: the capture, possible extradition, prosecution, sentencing and incarceration of the cyber criminal.

This book provides the first international study of the manner in which cyber criminals have been dealt with by the judicial process, and anticipates how prosecutors will try to bring criminals to the courts in future. It is a sequel to the groundbreaking *Electronic Theft: Unlawful Acquisition in Cyberspace* by Grabosky, Smith and Dempsey (Cambridge University Press, 2001). Some of the most prominent cases from around the world have been presented in an attempt to discern trends in the handling of cases, and common factors and problems that emerged during the processes of prosecution, trial and sentencing.

This is a valuable resource for all those who seek to understand how the difficult task of convicting cyber criminals can be achieved in a borderless world.

**Russell G. Smith**, BA (Hons), LLM, DipCrim (Melb.), PhD (London), Solicitor of the Supreme Court of England and Wales, Barrister and Solicitor of the Supreme Court of Victoria and the Federal Courts of Australia, is Deputy Director of Research at the Australian Institute of Criminology. He is co-author of the books *Electronic Theft: Unlawful Acquisition in Cyberspace* and *Crime in the Digital Age*.

**Peter Grabosky**, BA (Colby), MA, PhD (Northwestern), FASSA, is a Professor in the Regulatory Institutions Network at the Australian National University, a former Deputy Director at the Australian Institute of Criminology, and current Deputy Secretary General of the International Society of Criminology. He is a co-author of *Electronic Theft: Unlawful Acquisition in Cyberspace* and *Crime in the Digital Age*, and co-editor of *The Cambridge Handbook of Australian Criminology*.

**Gregor Urbas**, BA (Hons), LLB (Hons), PhD (ANU), Barrister and Solicitor of the Supreme Court of the Australian Capital Territory and the Federal Courts of Australia, is a Lecturer in Law at the Australian National University and a former Research Analyst at the Australian Institute of Criminology. With Russell Smith, he is a co-author of *Controlling Fraud on the Internet*.

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RUSSELL G. SMITH

*Australian Institute of Criminology*

PETER GRABOSKY

*Australian National University*

GREGOR URBAS

*Australian National University*



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## *Foreword*

Crime has been with us since society began and will be with us forever. As long as we have rules to regulate the conduct of humans, we will have rule-breakers. The best we can ever hope to achieve in countering this tendency is a socially acceptable level of control of such behaviour. We exercise such control by prevention and, where that fails, punishment.

The motivations for rule-breaking have not changed greatly because they arise from human nature. Criminals are motivated by passion, greed, revenge, curiosity, need, abnormal perceptions of themselves or society, or just plain evil. Some simply enjoy the challenge of offending and not being caught. Sometimes, rules are broken because they are not appropriate to the people, the place or the time to which they purport to apply.

But the ways in which crime may be committed change significantly over time. In most developed countries, highway robbery is a thing of the past. Now, among other developments, we have moved into the realm of cyber crime.

The present authors are well qualified to write about it and they do so in a comprehensive and easily understandable fashion. They present an up-to-date and truly international perspective on responses to the novel legal problems thrown up by the criminal use of computer technology.

The authors define cyber crime as encompassing ‘any proscribed conduct perpetrated through the use of, or against, digital technologies’. Simple! They focus on what is known as ‘tertiary crime prevention’ – criminal justice system action that might deter, incapacitate or rehabilitate offenders. Therefore the book will be of primary interest to investigators, prosecutors, judicial officers and others engaged in the process of bringing offenders to justice. It also provides valuable insights and suggestions for academics, students and lawmakers.

The criminal law is inherently conservative in its development (as it should be), but significant changes have occurred in response to social pressures. At one time in parts of the United States, as the authors point out, it was an offence to harbour a runaway slave, while in other parts slavery was prohibited. At the time of the industrial revolution in the United Kingdom the legislature was obliged to act to create statutory offences, on top of and superseding the common law, to provide a better measure of protection for factory and mine workers. In the information technology age it has become necessary to develop new approaches

to crimes that are motivated by the old forces but committed by new means in the ‘wired world’ of cyberspace.

There are many challenges to be confronted. At first prosecutors tried to squeeze new criminal acts into old laws; now laws are being made to address the conduct directly. The question of the appropriate jurisdiction in which to proceed is vexed, given that electronic impulses may traverse many nations before hitting their targets. What priority should be given to the pursuit of cyber criminals where in some cases there may be substantial loss and in others not much more than nuisance value? If there are no flesh and blood victims, does it make a difference? Juveniles are empowered as never before by information technology – how should juvenile cyber criminals be treated? What strategies have been adopted by investigators and prosecutors to meet the modern challenges? What are some of the defences that have been tried so far? And what punishments are appropriate for these types of offences? These issues and more are addressed in the chapters that follow, and compelling arguments are presented for the need for the law to develop and move in step with the enormous technological changes that have occurred in recent decades.

This is not just a book about the place of computers in the commission of crime. The reader is treated to an examination of specific cases in many jurisdictions, chosen to illustrate the ways in which novel problems are being addressed. Apparently simple measures, such as a greater degree of harmonisation of substantive and procedural laws between jurisdictions, would go a long way towards lowering the cost to societies of prevention and punishment. The authors describe ways in which such developments could occur and the extent to which they have begun. They raise specific issues that require further consideration by us all.

In the meantime, trial and punishment proceed under existing regimes and the ways in which they occur are the focus of the book.

This is a timely and trailblazing work. It is indeed, as the authors say: ‘. . . the first international study of the ways in which cyber criminals have been dealt with by the judicial process’. It provides extremely valuable assistance to those of us in the law, wherever we are, who are interested in learning how to deal with the novel considerations raised by the development of cyber crime.

Nicholas Cowdery AM QC  
*Director of Public Prosecutions, New South Wales, Australia*  
*President, International Association of Prosecutors*

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Russell G. Smith  
Melbourne  
Peter N. Grabosky and Gregor F. Urbas  
Canberra  
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## *Preface*

The material presented in this book comes from a wide range of sources. Apart from recourse to secondary sources and commentaries on the judicial process in this area, we have drawn on a number of government reports dealing with cyber crime. The Internet itself provides a good deal of information, and of course many unreported judicial decisions are now available online.

In addition, we sought input and advice from senior practitioners in the field. This was achieved through informal discussions with personal contacts and, more formally, by holding a number of Roundtable Discussions in which we called together the most senior people in a variety of jurisdictions who are involved in the investigation and prosecution of cyber crime. The purpose of these was to seek their understanding of the key issues that affect their daily work.

Two such Roundtable Discussions were held, one in Canberra on 4 April 2002 at the Australian Institute of Criminology and one in London on Tuesday 16 July 2002 at the Home Office. In the United States, discussions were held with key informants in Washington DC on 7 and 8 November 2002. Attending each were senior police, prosecutors and/or representatives from regulatory agencies in each country, with each discussion facilitated by one of the authors. Each discussion followed the plan of the chapters of this book.

Our primary focus was, however, on cases that have reached the courts, and we attempted to identify the most significant cases that have been dealt with by the courts in North America, the United Kingdom and Australasia. Of course, some cases have been omitted, but we are confident that we have examined the key decisions over the last thirty years. Each case was analysed with respect to the judicial processes involved in prosecution, trial and sentencing.

The present work does not purport to be a scientific, empirical analysis of cases decided in the courts, although we have presented some descriptive statistics of sentencing outcomes, aggravating and mitigating factors. We also present the results of a small study of sentencing in serious fraud cases involving computer-assisted crimes decided by Australian and New Zealand courts in the calendar years 1998 and 1999.

We have included a selection of cases involving cyber crimes that have been determined in the courts, identifying as many as we were able to locate from jurisdictions involving adversarial court processes (principally, Australia, the United

Table 1 – Number of cyber crime cases examined, 1972–2003

Year	USA	Australia and New Zealand	Asia	UK	Canada	EU	Subtotal	Total
Number Date	(2)						(2)	2
1972	1						1	1
1973		(1)					(1)	1
1974	(1)						(1)	1
1984				1			1	1
1986		1	1				2	2
1987		2			1		3	3
1988				(1)			(1)	1
1989			(1)				(1)	1
1990	(1)						(1)	1
1991	1 (1)			1			2 (1)	3
1992	1	1	(1)	2	(1)		4 (2)	6
1993	1	1		1 (1)	(2)		3 (3)	6
1994	1 (1)		(1)	1			2 (2)	4
1995		3		1	2 (1)		6 (1)	7
1996	2			2 (1)	1		5 (1)	6
1997	1 (2)		1	3(1)			5 (3)	8
1998	4 (1)	3	1	(2)			8 (3)	11
1999	7 (2)	3	6 (1)	3 (1)		(1)	19 (5)	24
2000	11 (7)	(1)	6 (1)	2			19 (9)	28
2001	16 (3)	4 (2)	3	3		1	27 (5)	32
2002	15 (10)	2 (2)	4 (4)	4	1		26 (16)	42
2003	15 (16)	12 (1)	1	2		1 (1)	31 (18)	49
sub-totals	76 (47)	32 (7)	23 (9)	26 (7)	5 (4)	2 (2)	164 (76)	240
Total	123	39	32	33	9	4	240	

*Note:* Numbers represent the number of cases from each jurisdiction set out in Appendix A and (in parentheses, the number of additional cases not included in Appendix A). Information is current, and URLs were operational, at 31 March 2004 unless otherwise indicated.

Kingdom, United States, Canada, New Zealand and Hong Kong), with some reference to other countries to illustrate alternative ways in which cases have been dealt with. The work is not, however, a comparative analysis of prosecution and sentencing in the countries examined. Rather, it attempts to identify issues that are common to prosecutors and judges in these jurisdictions.

We conducted extensive online searches of databases of cases and legislation publicly available for legal research. Cases were identified for analysis if they resulted in a judicial determination and imposition of a sanction, although reference is also made to some striking examples of cases which could not be prosecuted due to legislative or procedural difficulties, or which resulted in an acquittal of the accused or in which the accused's appeal was successful. We were also only able to refer to cases that had been publicly reported, which of course excludes some cases heard in lower courts. We are confident that we have isolated for examination those cases which best illustrate the points under discussion from the various jurisdictions under consideration. This methodology reflects the way in which judges rely upon precedents in decision-making, reasoning analogically

from similar cases – although, strictly speaking, many of the decisions we cite would be of limited binding or persuasive authority, coming as they do in many cases from courts in other jurisdictions or from lower courts.

In all, we examined some 240 cases. Of these, 164 cases involved a conviction or a guilty plea by the accused (see Table 1). We have been able to locate sentencing outcomes in respect of 139 of these cases. To assist readers in understanding the salient facts and outcomes of the cases selected for examination, we include Appendix A, which contains the essential details of each case, identified by [**Case No.**] where referred to in the text. Again, this information is provided for illustrative purposes rather than as the basis of an empirical database. In time, when more cases have reached the courts, it may be possible to undertake a more rigorous analysis of the circumstances and outcomes of these cases. In the remaining 76 cases, the accused was acquitted at trial or the accused's appeal was allowed or conviction quashed. These latter cases have not been included in Appendix A, although some are referred to in the discussion. It is apparent that most cases have emanated from the United States and that there has been an increasing number of cases coming before the courts in recent times.

## *Abbreviations*

Where cases are cited in the text, the following abbreviations are used. Some abbreviations refer to law report series; others simply provide case identification (if, for example, the case is unreported).

### *Australia*

ACL Rep	Australian Current Law Reporter
A Crim R	Australian Criminal Reports
ACT CA	Australian Capital Territory Court of Appeal
ACT SC	Australian Capital Territory Supreme Court
CLR	Commonwealth Law Reports
FCA	Federal Court of Australia
NSWCCA	New South Wales Court of Criminal Appeal
Qd R	Queensland Reports
VICSC	Victorian Supreme Court
VSCA	Victorian Supreme Court, Court of Appeal
VR	Victorian Reports

### *Canada*

BCJ	British Columbia Judgment (followed by court number)
BC Prov Court	British Columbia Provincial Court
LAC	Labour Arbitration Cases
OJ	Ontario Judgment (followed by court number)
ONCA	Ontario Court of Appeal
OR	Ontario Reports

### *Hong Kong*

CACC	Court of Appeal Criminal Case (followed by court number/year)
DCCC	District Court Criminal Case (followed by court number/year)
HKC	Hong Kong Cases
HKCA	Hong Kong Court of Appeal

HCMA Hong Kong Magistracy Appeal (followed by court number/year)

*New Zealand*

NZCA Court of Appeal of New Zealand

*United Kingdom*

AC Appeal Cases  
 All ER All England Law Reports  
 CA (Crim Div) Court of Appeal (Criminal Division)  
 Crim App R Criminal Appeal Reports  
 Crim App R (S) Criminal Appeal Reports (Sentencing)  
 Crim LR Criminal Law Review  
 EWCA Crim England and Wales Court of Appeal (Criminal) Reports  
 IPR Intellectual Property Reports  
 QB Law Reports, Queen's Bench Division  
 WLR Weekly Law Reports

*United States of America*

F Federal Reporter  
 F 2d Federal Reporter, Second Series  
 F 3d Federal Reporter, Third Series  
 F Supp Federal Supplement (District Court Reports)  
 NY App Div New York Appellate Division  
 NYS New York Supreme Court  
 WI App Wisconsin Court of Appeals

*US Federal Courts*

US federal judicial circuits comprise a number of districts from different states.

CD Central District  
 Cir Circuit  
 ND Northern District  
 SD Southern District



## *Currency exchange rates*

Monetary amounts are generally provided in US dollars (US\$). The conversions from other currencies were done using the following exchange rates.

Australia	A\$1 = US\$0.75
Canada	Can\$1 = US\$0.75
China	1 RMB = US\$0.12
European Union	€1 = US\$1.22
Hong Kong	HK\$1 = US\$0.13
New Zealand	NZ\$1 = US\$0.65
Philippines	P1 = US\$0.017
Singapore	S\$1 = US\$0.58
United Kingdom	£1 = US\$1.80

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