# The History of Electricity Fires in Victoria.

## Part 2

### Exhibit 202: Statistics of fires allegedly involving the S.E.C. from 8 January 1959 to 30 March 1977

This reproduction of Exhibit 202 was created January 2011 by M. Gunter, mickgg@suburbia.com.au

Citation: PROV, VA 4393 Board of Inquiry into the Occurrence of Bush and Grass Fires in Victoria, VPRS 13230/P1 1939 – 1983, Unit 6, Item: "Exhibits : Folder 8, No. 185 - 209"

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#### Preface

Exhibit 202 consists of seventeen pages, all of which were photographed, processed, and are presented here. The Inquiry transcript reveals that the statistics and text of Exhibit 202 were prepared by Neil Harrison Kirk, S.E.C. assistant chief claims officer. Kirk makes no mention of any claims against the S.E.C. for loss of life<sup>1</sup>. Apologies that due to technical limitations, the text of this exhibit is image-only so cannot be "cut & paste" by word processing or spreadsheet programs. Image quality is such that OCR software is very unlikely to yield useful results either. Further discussion is contained in endnotes on pages 20 to 24. (This includes Annexure A)

Sir Esler Barber in his 1977 report, 4.6.04 on page 96 indicates 'disastrous' 1969 fires, many caused by the S.E.C., but of the twenty-three fatalities, seventeen were certainly NOT due to power lines: these were the motorists trapped on the Geelong Road by the Lara fire, which was started by vehicle exhaust igniting roadside grass (http://www.cfaconnect.net.au/news/looking-back-with-alan-burgess.html). It remains to be discovered (by this author) whether any of the remaining six fatalities were caused by fire sparked by power lines. Candidate "electricity fires" include Rodborough (70,000acres), Edington (30,000acres), Gnarrwarre (3,000acres), Torquay (625acres), Newmaralla (800acres), Whittlesea (120acres), Truganina (30,000acres), Mt.Cameron (10,000acres), Werribee North (6,000acres), Newstead (500acres), and Yalla-Y-Porra (7,000acres). If and when data comes to hand, it will be published in this series. Anyone with information in this regard please email me: mickgg@suburbia.com.au M.G.



Statistics - Fires Allegedly Involving SEC 8/1/59 - 30/3/77

The statistics have been produced from reports received of fires alleged caused electrically or by the SEC.

Not all fires are reported but it may be accepted that all significant fires are reported. In 1969 and 1977 more fires were reported than would otherwise be the case because of specific requests for all reports for certain periods.

The results or consequences of "faults" are purely fortuitous and "faults" which do not cause fires, outages or damage are not reported.

For the period 8/1/59-30/3/77 399 fires were reported. It is understood this would represent only a very small percentage of the total fires from all causes over this period. About half only involved an area of a few square yards. 111 or 29% of them occurred on two days - 8/1/69 and 12/2/77. The balance 288 or 71%, an average of about 15 per year occurred over the roughly 18-year period.

Region Schedule

South Western	130 or	r	32%	-	2	days	(8/1/69	8	12/2/77)	26	and	balance	104
North Eastern	83 0	r	21%	-	2	days	н		н	<u>9</u>	н	и	75
Northern and Midland	50 o	r	13%	-	2	days	п		н	17	в	n	33
Eastern Metropolitan	44 o	r	11%	-	2	days	IJ		n	20	n	μ	24
Mid Western	27 o	r	7%	-	2	days	н		н	<u>17</u>		n	10

Other 5 Regions all less than 20 or 5%.

Wimmera and Mallee had none on the two bad days.

Size Schedule

over 10 000<br/>acres7 out of 9 (2%) occurred on the two bad days1000 and under<br/>10 000 acres10 out of 12 (3%) occurred on the two bad days100 and under<br/>1000 acres11 out of 37 (9%) occurred on the two bad days75% of fires were less than 10 acres.

RURAL FIRES BOARD OF INQUIRY EXHIBIT 202 DATE 13-5-74

Trees

Alleged Cause Schedule

Falling 83 or 21%) Contact 51 or 12%) 134 - 33%

8/1/69 & 12/2/77 - 53 or 13% - balance 81 - 20%

out of 111 or 29% on those 2 days.

Probably a further 16 or 4% involving trees are included in other categories, e.g. low voltage clashing - high voltage fuses.

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Conductors Clashing

Low Voltage only 58 or 14%) 67 - 16% Others 9 or 2%) 8/1/69 & 12/2/77 - 34 or 8% - balance 33 - 8%

out of 111 or 29% on those 2 days.

Fuse Operations

High voltage 37 or 9%) Low voltage 5 or 1%) 42 - 11%

8/1/69 & 12/2/77 - 7 or 2% - balance 35 or 9%

On the two bad days 111 fires were reported of which 5 were caused by some outside agency.

Of the remaining 106, 53 involved trees, 34 conductors clashing and 7 fuse operations. The next highest category is miscellaneous and this includes the Strathmore low voltage clashing or clamp-on fuse and Mingay L.A. fires.

Files relating to incidents occurring prior to 1967 have been destroyed.

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EXHIBIT DATE 202

13.5.77

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	FIRES REPORTED 8/1/59 - 30	.3/ <i>77 -</i> ALLEGE	u causes			/
	Alleged Cause	Total	8/1/59-8/1/69	9/1/69-30/3/77 Excl. 12/2/77	8/1/69	12/2/17
	Trees or limbs falling	83	32	14	28	6
	Low Voltage clashing	58	12	17	13	16
	Conductors contacting trees	51	15	20	11	ъ
	High voltage fuse operation	37	21	11	4	1
	Pole fires	32	. 11	18	2	1
	Conductors falling	24	13	o	2	ı
	Poles falling	15	6	7	I	2
	High voltage clashing	6	1	3	5	ı
	Pole caps falling	<b>5</b> 1	4	4	1	ı
	<b>Crossarms</b> breaking	თ	ß	4	ı	ı
	Lightning arrestors	ß	7	7	ı	
	Low voltage fuse operation	5	2	1	1	1
	Miscellaneous	15	4	7	1	ę
	Subtotal	355	127	122	68	38
	Outside Agency	26	б	12	2	ı
	Subtota I	381	136	134	73	38
53 1974 1974	<b>Émp</b> loyees	18	12	9	I	I
다	TOTAL	<b>66</b> E	148	140	73	38
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FIRES REPORTED 8/1/59 - 30/3/77 - SIZE

Size	Total Number	10 years to 8/1/69	9/1/69-30/3/77 Excl. 12/2/77	8/1/69	12/2/77
Over 10 000 acres	6	2	ı	ю	4
1000 and under 10 000	12	2	ŗ	ۍ	പ
100 and under 1000	37	11	15	6	2
10 and under 100	44	17	21	ۍ	ч
1 and under 10	102	43	41	10	ω
under 1 acre	195	73	63	41	18
TOTAL	662	148	140	73	38



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Region	Total Number	10 years to 8/1/69	9/1/69-30/3/77 Excl. 12/2/77	8/1/69	12/2/77
South Western	130	53	51	10	16
North Eastern	83	37	37	7	2
Northern and Midland	50	23	10	10	٢
Eastern Metropolitan	44	12	12	16	4
aid Nestern	27	9	4	10	7
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DTAL	399	148	140	73	38

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FIRES REPORTED 8/1/59 - 30/3/77 - REGIONS

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Year 1	[eto]	Trees Falling	1.v. Clashing	Conductor Trees	h v Fuse	J. V. Thise	Polr Fjres	Conductors Fulling	Folcs Falling	h v clushinr	Pole Cops	Crossarma Brenkina	Lightning Arrestors	M180	Ontaide Arency	Cup.
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# GRASS FIRES ALLECEDLY CAUSED BY THE COMMISSION T 1959 TO 30 MARCH 1977 INCLUSIVE

	'PR MUHBER	DATE	LOCALITY	ALLEGED CAUSE	DAMACK
	PRI 205	17/1/59	Cobden (SW)	HV contacting pole top	55 acres
	PR1206	18/1/59	South Purrumbete (SW)	HV contacting pine trees	100 acres
	PR1217	19/1/59	Merricks North (EM)	HV contacting cypress trees	3 Acres
	PR1218	9/2/59	Kyneton (N&M)	HV fell	5mall
	PR1226	13/2/59	Bung Bong (N&M)	Limb fell onto HV	50 acres
	PR1227	25/2/59	Gapsted (NE)	Faulty liquid filled HV fuse	Small
	PRI 269	11/5/59	Morwell (G)	Burning off grase	Small
	PR1279	25/3/59	Somerville (EM)	Burning off tree loppings	Small
	PR1365	1/10/59	Warrandyte (EM)	Burning tree loppings	Small
	PR1376	23/10/59	· Tyrendarra (SW)	Burning tree loppings	SO acres
	PRI 393	22/11/59	Lismore (SW)	Limb fell onto HV	Small
	PR1421	23/12/59	Wandin North (EM)	Burning tree Joppings	l acre
	PR1425	Dec 59	El Dorado (NE)	Iree over HV line	Small
	PK1424	1/1/60	Londrigan (NE)	Tree over HV line	Small
	PR1441	9/2/60	Woodend (N&M)	Crossarm fire	5 acres
	PRISIL	30/3/60	Thomastown (EM)	LV clashing	l acre
	PR1729	24/12/60	Branxcholme (SW)	HV parted and fell	2 acres
	PR1725	21/1/61	Camperdown (SW)	Limb fell over line	Small
	PR1743	22/1/61	Trawalla (MW)	Conductor broke at tie	Sma 1 1
	PR1746	28/1/61	Swanpool (SW)	Limb fell over line	Small
	PR1784	4/2/61	Pirron Vallock (SW)	Wire across HV	2 acres
	PR1744	14/2/61	Dunkeld (SW)	Blasting	5 acres
	PR1749	14/2/61	Buffalo River (G)	LV fuse broke down to earth	l acre
	PR1778	18/2/61	Lismore (SW)	Limb Fell	40 actes
	PR1761	22/2/61	Seymour (NE)	Limb of gum fell	150 acres
	PR1762	22/2/61	Buffalo River (G)	LV clashing	3 acres
	PR1779	2/3/61	Colac (SW)	HV conductor fell	l acte
	PR2076	01/10/61	Narioka (NE)	Working on service line	10 acres
	P82060	7/1/62	Keilor (ME)	Conductor broke	2 acres
	P#2018	16/1/62	Picola (NE)	LV clashing	40 acres
	PR2024	26/1/62	Lismore (SW)	Tree over HV	100 acres
	PR206.5	28/2/62	Bostocks Creek (SW)	LV clashing	1 acre
	PR2051	1/3/62	Warrong (SW)	Burning crosserm	5 acrea en en encompos
	P12075	14/3/62	Warrong (SW)	Pole fire	Smill & RURAL FIRM
	FR2210	4/9/62	Mc Eliza (EM)	HV sagged into trees	I arras [BOARD OF IN
ŝ	PR2284	1/12/62	Kinypanial (W)	Pole cap fell	103 ALTER EXHIBIT
arir Siri	PR7326	25/1/63	Mokepilley (W)	200 fuse (no choke)	I with DATE
€.₩	*12225	4/2/62	Ruros (ME)	Limb full	IN anter and a state
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	DER	DATE	LOCALITY	ALLEGED CAUSE	DAMAGE
¢.	2640	14/11/63	Port Fairy (SW)	Burning off	Small
٢I	<b>K2604</b>	26/11/63	Neathcote (N&M)	Tree fell	Şma11
PI	<b>R</b> 2607	17/1/64	Gnarwarre (B)	Pole fell - dry rot	1200 acres
P	<b>g26</b> 12	28/1/64	Ballarat (MW)	Lighting arrestor exploded	Small
21	R2652	14/2/64	Glearowan (NE)	Crossarm broke	Small
P	R2682	14/2/64	Becchus Marsh (MW)	Pole cap fell	8 acres
<b>P</b> 1	12653	15/2/64	Whorouly (NE)	LV clashing	8 acres
Pi	R2649	22/2/64	Goorambat (NE)	Pole fell - dry rot	6000 acres
21	R2675	22/2/64	Kerang (N&M)	Rifle shots brought conductors down	Small
PI	R2740	15/3/64	Coldstream (EM)	$\mathbf{LV}$ fuse overheated and fell	Small
P	R2690	23/3/64	Taminick (NE)	HV sagged into tree	Small
-		23/8/64	Mornington (EM)	Cypress tree fell over HV	Small
P	R2956	17/1/65	Wangaratta (NE)	Tree limb fell	Small
P	B2958	17/1/65	Inglewood (N&M)	Conductor contacted gum tree	10 000 acres
-		17/1/65	Eltham (EM)	LV clashing	3 acres
P	R2999	18/1/65	Sea Lake (M)	Crossarm fire	Small
Þ	R2977	24/1/65	Amphitheatre (MW)	Tree fell	4 acres
Þ	R3002	2-3/2/65	Camperdown (SW)	Conductors fell	Small
-		3/2/65	Tallarook (NE)	EDO fuse (no choke)	Small
-		4/2/65	Strath Creek (NE)	EDO fuse (no choke)	Small
P	r.3006	15/2/65	Yarrawonga (NE)	Pole fell	3 астев
P	R3052	24/2/65	Swan Bill (N&M)	Birds brought HV down	Small
P	<b>r 304</b> 5	March 65	Camperdown (SW)	Tree limb fell	Small
2	°R3046	March 65	Camperdown (SW)	Tree limb fell	Small
F	PR3047	March 65	Camperdown (SW)	Tree limb fell	Small
P	*K3048	5/3/65	Vile Vite (SW)	Conductors [el]	10 acres
ŀ	teno	5/3/65	Mt Evelyn (EM)	LV clashing (tree)	Small
F	PR3029	6/3/65	Mt Moriac (SW)	Iron blown onto conductors	50 acres
I	PR3049	10/3/65	Naroghid (SW)	Crossarm broke	Small
3	P <b>R</b> 3050	11/3/65	Goldie-Springfield (N&M)	EDO fuse (no choke)	500 acres
1	PR3053	12/3/65	Beverford (SW)	Crossarm fire	20 ecres
1	FR3054	23/3/65	Swan Hill (N&M)	Bird into conductors	Smit 11
1	P <b>X308</b> 0	28/3/65	Broadford (N&M)	EDO fuee	1 acre
1	PR3104	14/4/65	Henty (SW)	Crossarm fire	1 acre
1	¥83288	14/10/65	Myrrhee (NE)	Conductor fell	Smill Smill
1	P\$3276	20/10/65	Maryborough (N&M)	Tree cur and fell	Small Bas
	PR3450	8/11/65	Reedy Dam (W)	Conductor fell	8 sores PALAPET.
	<b>#</b>	10/11/65	Allens's Spur (Birchip Line) (NAM)	BDO fuse (no choke)	BALL PATE
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TR NUMBER	DATE	LOCALITY	ALLEGED CAUSE	DAMAGE
PR3327	16/11/65	Narioka (NE)	LV clashing	1 acre
-	18/11/65	Manangatang (N&M)	HV fupes	Small
PR3331	28/11/65	Nurrabiel (W)	EDO fuse (faulty tube)	Smal!
PR3385	22/12/65	Belmont (B)	Pole fire	Small
-	23/12/65	Salt Creek Spur (SW)	Pine limb fell	Small
	23/12/65	Wallacedale (SW)	EDO fuse (no choke)	Small
-	23/12/65	Warayare Estate Spur (SW)	EDO fuse (no choke)	Small
-	30/12/65	Whorouly East (NE)	Limb fell	Small .
-	30/12/65	Darlington Line (SW)	Dead gum tree fell	l acre
-	30/12/65	Barba Spur (SW)	Tree fell	Small
-	31/12/65	Penshurst Line (SW)	Broken tie	Small
-	1/1/66	Sea Lake (M)	EDO fuse	Small
PR3449	5/1/66	Nagambie (NE)	Tree limb fell	480 acres
-	5/1/66	Baranduda Feeder (NE)	Conductors broke	Small
-	9/1/66	Dunkeld (SW)	EDO fuse	Small
-	11/1/66	Cobden Feeder (SW)	EDO fuse	5mall
-	14/1/66	Barwite (NE)	EDO HV fuse	Small
PR3447	14/1/66	Nanneella (NE)	Tree limb fell	Smell
PR3399	15/1/66	Yarraberb (N&M)	Pole cap fell	2 acres
PR3440	25/1/66	Nirranda South (SW)	EDO faulty fuse operation	5 acres
PR3439	30/1/66	Waubra (MW)	Faulty neutral connection	Small
PR3427	3/2/66	Wabba (NE)	Blasting	2 acres
-	7/2/66	Oswells Lane Spur (SW)	Faulty LV line connector	Small
PR3466	16/2/66	Trentham (N&M)	Tree limb fell	5 acres
	20/2/66	Hamilton North Feeder (SW)	LV conductors clashed	Small
-	23/2/66	Craigie Spur (SW)	Crossarm fire	Smell.
PR3505	12/3/66	Lismore (SW)	Line contacted pine tree	650 acres
-	10/4/66	Yambuk Line (SW)	Conductor broke	4 acres
PR3783	23/11/66	Armytage (SW)	Sugar gum fell	Small
PR3786	30/11/66	Cobram (NE)	Crossarm broke (termites)	Shell
PR3799	11/12/66	Guildford (N&M)	Branch of tree fell	Smill RUSSLER
PR3809	25/12/66	Elmore (N&M)	Pole fell	19 acres
PR3833	4/1/67	Burramine (NE)	EDO fuse (no choke)	Sin Straight 493
PR3816	6/1/67	Lower Macedon (N&M)	Tree limb fell	Smil DATE
PR3914	9/1/67	Colignan (M)	EDO fuse (no choke)	2 ectes familie and the second second
	1.19167	N	Knavness bridned WV	100

PR NUMBER	DATE	LOCALITY	ALLEGED CAUSE	DAMAGE
-	5/2/67	Lismore (SW)	Tree fell	5aall
-	7/2/67	Pomborneit (SW)	Tree limb fell (pine)	Small
PR3871	7/2/67	Point Lonsdale (B)	Grossarm burnt	10 acres
PR3862	8/2/67	Wannon (SW)	Tree limb fell (red gum)	1 acre
PR3868	23/2/67	Iraak (M)	HV contacted sucalyptus saplings	l acre
-	12/3/67	Vite Vite (SW)	Two crows caused flashover	Small
FR3973	10/5/67	Coldstream (EM)	Pole charring	5 actes
+	15/11/67	Colbinabbin Line (N&M)	EDO fuse (anti-fire device fitted	t) Small
-	25/11/67	Costerfield (N&M)	EDO fuse	Smell
P84198	10/12/67	Birregurra (SW)	LV clashing	270 acres
PR4212	24/12/67	Straun (SW)	Pole cap fell	30 acres
-	13/1/68	Kialla (NE)	HV conductors sagged into a peppercorn tree	l acte
-	16/1/68	Yeo (SW)	Pole top fire	Small
PR4257	17/1/68	Camperdown (SW)	Crossarm fire	Small
PE4401	23/1/68	Stewarton (NE)	White ants crosserm	3 acres
P84259	24/1/68	Hotspur (SW)	Transformer failed	16 acres
PR4255	31/1/68	Craigi (N&M)	HV contacted trees	5 acres
PR4318	31/1/68	Kialla (NE)	HV sagged into peppercorn tree	Small
PR4253	1/2/68	Elphinstone (N&M)	HV contacted eucalyptus sapling	l acre
PR4265	1/2/68	Bulla (ME)	Vehicle back-firing	12 acres
PR4264	1/2/68	Rutherglen (NE)	HV contacted foliage	10 acres
PR4275	1/2/68	Norang (NE)	HV conductors sagged and touched gum suckers	300 acres
PR4277	L/2/68	Myrtleford (NE)	Sagging conductor touched gum tre	e 50 000 acres
PR4279	5/2/68	Camperdown (SW)	HV clashing	Smell
PR4 309	5/2/68	Somerton (ME)	Workmen caused fire	3 acres
PR4323	12/2/68	Capsted (NE)	LV clashing	Small
PRA 297	13/2/68	Molesworth (NE)	Pole fell (white ants)	4 acres
P <b>R</b> 4284	14/2/68	Thomastown (EM)	Bird hit conductors	2 acres
PR4310	17/2/68	Simpson (SW)	LV clashing	Swall
PR4321	19/2/68	Kyabram (NE)	EDO arcing at top contact	1 acre
-	26/2/68	Butherglen (NR)	Tree falling	Small
PR4348	7/3/68	Mt Moriae (SW)	Pine tres over HV	Small 2003120-037-88
¥R4711	20/11/68	Lera (B)	Service broke	Small TONDAT
P94783	9/12/68	Wunghnu (NE)	Pole fell (dry rot)	20 acres
<b>PR</b> 4782	12/12/68	Matyberough (N&M)	Line contacted gun suckers	Sacres States
FRA736	13/12/68	Springhuret (NE)	Crossers broke at kingbolt	30 seres
- PB4759	8/1/69	Rodborough (NAM)	Tie broke - conductor fell	70 080 acres
784758	\$/1/69	Rédington (NéM)	Conductor sagged into gum	30 680 Autos
	•			5 - 11 - 11 - 11 - 11 - 11 - 11 - 11 -

<ul> <li>53</li> <li>43A</li> <li>45</li> <li>92</li> <li>93</li> <li>69</li> <li>53B</li> <li>91</li> <li>89</li> <li>85</li> <li>76</li> <li>90</li> <li>77</li> <li>79</li> </ul>	8/1/69 10 10 10 10 10 10 10 10 10 10	Truganina (ME) North Werribee (ME) Tatyoon (ME) Gnarwarre (B) Ceres (B) Deer Park (ME) Werribee West (ME) Drysdale (B) Torquay (B) Eden Park (EM) Newstead (N&M) Warrandyte (EM) Cheviot (NE) Orbost (G) Paraparap (B)	ALLEGEL CAUSE         Galvaniaed iron blown into LV         Conductor contacted gum tree         Conductor contacted pine tree         U       U         U       U         HV and LV clashed         Conductor contacted pine tree         U       U         U	DAMAGE 23 COU soffe 6000 scres 7000 scres 3000 scres 3000 scres 1100 scres 350 scres 625 scres 120 scres 500 scres 250 scres 250 scres 250 scres 250 scres 250 scres 250 scres 250 scres 250 scres
434 445 192 193 169 1538 191 189 185 76 190 77	17 17 18 19 19 19 19 19 19 19 19 19 19 19 19 19	North Werribee (ME) Tatyoon (ME) Gnarwarre (B) Cares (B) Deer Park (ME) Werribee West (ME) Drysdale (B) Torquay (B) Eden Park (EM) Newstead (N&M) Warrandyte (EM) Cheviot (NE) Orbost (G) Paraparap (B)	Conductor contacted gum tree Conductor contacted pine tree V V V V V N M N V KV and LV clashed Conductor contacted pine tree V V N N V V V N N V Conductor contacted pine tree V	23 000 acres 6000 acres 7000 acres 3000 acres 3000 acres 1100 acres 350 acres 625 acres 120 acres 500 acres 250 acres 250 acres 200 acres
92 93 69 538 91 89 65 76 90 77	11 11 11 12 13 14 15 15 16 16 17 16 17 16 17 17 17 17 17 17 17 17 17 17 17 17 17	Tatyoon (ME) Gnarwarre (B) Ceres (B) Deer Park (ME) Werribee West (ME) Drysdale (B) Torquay (B) Eden Park (EM) Newstead (N&M) Warrandyte (EM) Cheviot (NE) Orbost (G) Paraparap (B)	Conductor contacted gum tree Conductor contacted pine tree V V V V V N V V V N V V V N V Clashed Conductor contacted pine tree V	6000 acres 7000 acres 3000 acres 3000 acres 1100 acres 350 acres 625 acres 120 acres 500 acres 250 acres 250 acres 200 acres
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91 191 189 185 76 90 77	и п и	Verribee West (ME) Dryadale (B) Torquay (B) Eden Park (EM) Newstead (N&M) Warrandyte (EM) Cheviot (NE) Orbost (G) Paraparap (B)	HV and LV clashed         Conductor contacted pine tree         """"""""""""""""""""""""""""""""""""	1100 acres 350 acres 780 acres 625 acres 120 acres 500 acres 250 acres 200 acres 800 acres
91 91 89 85 76 90 77	н н н н	Werribee West (ME) Drysdale (B) Torquay (B) Eden Park (EM) Newstead (N&M) Warrandyte (EM) Cheviot (NE) Orbost (G) Paraparap (B)	Conductor contacted pine tree	350 acres 780 acres 625 acres 120 acres 500 acres 250 acres 200 acres 800 acres
91 189 185 76 90 77	н 19 17 17 14 18 18 18 19	Dryadale (B) Torquay (B) Eden Park (EM) Newstead (N&M) Warrandyte (EM) Cheviot (NE) Orbost (G) Paraparap (B)	ч v v v v v v LV clashing (private) ч м v Gum tree falling ч м м-	780 acres 625 acres 120 acres 500 acres 250 acres 200 acres 800 acres
89 85 76 90 77 79	н н н н	Torquay (B) Eden Park (EM) Newstead (N&M) Warrandyte (EM) Cheviot (NE) Orbost (G) Paraparap (B)	и и и V clashing (private) и и и Gum tree falling и и и	623 acres 120 acres 500 acres 250 acres 200 acres 800 acres
85 76 90 77 79		Eden Park (EM) Newstead (N&M) Warrandyte (EM) Cheviot (NE) Orbost (G) Paraparap (E)	ЧЧЧЧЧ LV clashing (private) ЧЧЧЧ Gum tree falling ЧЧЧЧЧ	120 acres 500 acres 250 acres 200 acres 800 acres
76 90 77	н н н н	Newstead (N&M) Warrandyte (EM) Cheviot (NE) Orbost (G) Paraparap (B)	LV clashing (private) " " " Gum tree falling " " " "	500 acres 250 acres 200 acres 800 acres
76 90 77 79	и И И И	Warrandyte (EM) Cheviot (NE) Orbost (G) Paraparap (E)	ни и Gum tree falling и и и	250 acres 200 acres 800 acres
90 77 79	и п п	Cheviot (NE) Orbost (G) Paraparap (B)	Gum tree falling	200 acres
90 77 79	н н м	Orbost (G) Paraparap (B)	ч и и	800 acres
90 77 79	n M	Paraparap (B)		
77	н		U N H	200 acres
79		Diamond Creek (EM)	Conductor sagged into gum tree	60 acres
79	н	Learmonth (MW)	Limb falling	10 acres
	н	Mooralla (SW)	Pole cap fell	80 acres
79	n	Birregurra (SW)	Ball socket out of clevis	50 acres
79	"	Weerndee (SW)	Sugar gum falling	10 астер
41	•	Woodmans Hill (MW)	Gum limb falling	7 acres
33	н	Norlane (B)	Powder filled RV fuse exploded	- 5 acres
	tı.	Gorae West (SW)	Limb falling	2 acres
79		Woorndoo (SW)	Tree falling	l acre
85	11	Mont Park (EM)	Poplar tree falling	2 acres
		Learmonth (MW)	Limb falling	3 acres
	a	Newstead (N&M)	LV clashing	l acre
	n	Wangaratta (NE)	л н	2 acres
		Chiltern (NE)	W D	2 астев
	"	Wendouree (MW)	22 kV and 66 kV clashing	3 actes
69	н	Sunshine (ME)	LV fuse box blew up	Sime 11
76	м	Warrandyte (EM)	LV clashing	
/85	н	Eltham (EM)	N 11	**
	и	Cockston (EM)	U M	•
	и	Helton (MW)	1+ 10-	
	μ	Malton (MW)	U 11	M. 1. 1. 17 202
	"	Daylesford (MH)	17 M	••••••••••••••••••••••••••••••••••••••
	Ħ	Kynbran (NE)	e) ni	T C C.
	69 76 85	" 69 N 76 N 85 N 11 11 11 11 11 11 11 11 11 11 11 11 11	<ul> <li>Wangaratta (NE)</li> <li>Chiltern (NE)</li> <li>Chiltern (NE)</li> <li>Wendourea (MW)</li> <li>Sunshipe (ME)</li> <li>Sunshipe (ME)</li> <li>Warrandyta (EM)</li> <li>Warrandyta (EM)</li> <li>R Eltham (SM)</li> <li>R Cockatoo (EM)</li> <li>H Helton (MW)</li> <li>H Malton (MW)</li> <li>M Daylesford (MW)</li> <li>R Kyabram (NE)</li> </ul>	"Wangaratta (NE)       ""         "Chiltern (NE)       ""         "Wendouree (MW)       22 kV and 66 kV clashing         69       "Wendouree (MW)       22 kV and 66 kV clashing         69       "Wendouree (MW)       22 kV and 66 kV clashing         69       "Wendouree (MW)       22 kV and 66 kV clashing         69       "Wendouree (MW)       LV fuse box blew up         76       "Warrandyte (EM)       LV clashing         85       "Elfhan (SM)       ""         "Cockstoo (EM)       ""         "Melton (MW)       ""         "Malton (MW)       ""         "Malton (MW)       ""         "Kynbran (ME)       0"

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PR NUMBER	DATE	LOCALITY	ALLEGED CATLER		
	8/1/69	North Beaufort (MW)	Limb falling	DAMAGE	
-	*1	Vilina (MW)	D - D	Amal1	
-	*	Broadford (NE)	л п		
	n	Woodstock (N&M)	11 II		
<del>-</del> .	11	Mt Erica (G)	n n	11	
-		Coonser Bridge (N&M)	9 Q	'n	
-	и	Tatong (NE)	Tree falling	ы	
-	ч	Belgrave (EM)	ч <b>о</b>	u.	
-	ч	Mt Evelyn (EM)	и и		
-	и	Boronia (EM)	17 U		
-	п	Yarragon (G)	н п		
-	11	Lang Lang (G)	11 17	ч	
-	0	Ballarat (MW)	Limb falling	n .	
-	n	Barwon Downs (SW)	Tree falling		
-		Winslow (SW)	Limb falling		
-	*	Kangaroo Ground (EM)	н	0	
PR4776	0	Warrandyte (EM)	и <sup>с</sup> п		
PR4778	и	Cottles Bridge (EM)	н н	•	
PR4785	"	Strathewen (EM)	Bird caused substation flashover		
PR4833	11	Norlane (B)	Galvanised iron blown into LV	n	
-	0	Ranceby (G)	Pole fire	11	
-	n	Inverlock (G)	и и	n	
-		Kooweerup (C)	Galvanised iron onto HV		
-	r#	Elphinstone (N&M)	Rifle fire - RV insulator	11	
-	9	Wangaratta (NE)	Service clashing	**	
-		Doveton (EM)	22 kV clashing	1)	
-	"	Hastings (EM)	Different size HV	м	
PR4779	n	Irrewarra (SW)	HV LV clashing	н	
PR4779	17	Eurack (SW)	Conductor contacted tree	и	
PR4779	D	Gherang (SW)	Conductor broke at tie	"	
-	м	Broadford (N&M)	Transformer fuse fault		• • •
-		Inglewood (N&M)	EDO fuse did not clear	*1	•••
# 004170		Cohuna (N&M)	EDO fuse (no choke)	"	202
FK4779 DD6781	11/1/69	Willoura (MW)	Bruken conductor at tie	D	:
FN4701	14/1/09	South Wangaratta (NE)	EDO fuse (na choke)		
PR4794	17/1/60	winchelses (SW)	LV clashing	••	
P24779	+//L/0¥	urovedale (B)	LV conductors clashed	250 acres	
	Y()1/0A	Camperdown	Crosserm fire	Small	

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and the second s	PRNIMBER	DATE	LOCALITY	ALLEGED CAUSE	DAMAGE
	PR4779	17/1/69	Cororooke (SW)	HV and LV clashing	Small
	PR4779	17/1/69	Winchelses (SW)	Crossarm fire	Small
	PR4779	17/1/69	Macarthur (SW)	Limb fall	Smell
	PR4785	17/1/69	Eltham (EM)	HV contacted tree	Smell
	PR4808	17/1/69	Greenhille (W&M)	HV contacted lightwood tree	l5 acres
	PR4849	17/1/69	Pomborneit (SW)	Conductors clashed 22 kV - 66 kV	5 acres
	PR4809	20/1/69	Pomborneit (SW)	Lightning arrestor exploded	Small
	PR4779	21/1/69	Dunkeld (SW)	EDO fuse failed to clear	Suall
	PR4779	22/1/69	Angleses (B)	EDO fuse failed to clear	Small
	PR4779	23/1/69	Streatham (SW)	Lightning arreator exploded	Small
	PR4818	30/1/69	Inglewood (N&M)	EDO fuse with choke	2 acres
	PR4873	20/2/69	Bradvale (SW)	Tree fell	12 acres
	PR4877	26/2/69	Pawbymbyr (W)	Cigarette dropped by work party	9 acres
	PR4924	29/3/69	Lismore (SW)	EDO fuse failed to clear	Small
	PR5330	26/11/69	Cobram (NE)	Tree fell	2 астев
	PR5267	27/11/69	Horsham (W)	Burning off	10 acres
	PR5295	28/11/69	North Cundare (SW)	Baling wire dropped on s.w.e.r.	Small
	PR5307	11/12/69	Laanecoorie (NAM)	LV clashing	10 acreș
	PR5333	22/12/69	Docker (NE)	22 kV insulator broke - line fell	2 acres
	PR5334	22/12/69	Wangaratta (NE)	Limb fell	4 acres
	PR5319	29/12/69	Yalca (NE)	HV contacted gum tree	700 acres
	PR5412	18/2/70	Maroona (SW)	HV contacted gum tree	10 acres
	PR5434	18/2/70	Chocolyn (SW)	22 kV pole fell	3 acres
	PR5434	18/2/70	Heytesbury (SW)	Tree fell	Small
	PR5426	2/3/70	Gringegalgona (SW)	Tree fell	Small
	PR5425	11/3/70	Broadmeadows (ME)	66 kV - 22 kV clashing	2 acres
	PR5877	5/1/71	Pomborneit (SW)	66 kV off insulator	Small
	PR5876	8/1/71	Eppalock (NE)	S.W.E.R. sagged into gum tree	l acre
	PR5921	11/1/71	Oxley (NE)	Possum caused flashover	Small
	PR5924	30/1/71	Baringhup (N&M)	Pole fire	30 acres
	PR5925	8/2/71	Cressy (SW)	Pole fire	Small
	PR5929	8/2/71	Roseville (W)	Birds broke service	15 ACF08
	PR5950	6/2/71	Portland (SW)	Pole fire	1 acre
	PR5949	16/2/71	Kamilton (SW)	Limb fell	11 естев
	2 <b>8</b> 5953	16/2/71	Docket (NB)	Crossers broke due to termites	Steril 1
	PR5974	25/2/71	Condah (SW)	S.W.E.R. contacted tree	Smeil
	PR9978	26/2/71	Henty (SW)	Lead to transformer came adrift	5 Acres
	PR6002	3/3/71	Cavendish (SW)	Red gum limb fell	Seall Seall
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PR NUMBER	DATE	LOCALITY	ALLEGED CAUSE	DAMACE
PR6546	27/1/72	Tarrington (SW)	Fallen HV conductors	Small
PR6495	30/1/72	Benalla (NE)	Copper bridge on aluminium conductor failed	Small
PR6477	1/2/72	Pomborneit (SW)	Conductor contacted limb	3 acrea
PR6474	2/2/72	Pomborneit (SW)	Conductor contacted limb	Small
PR6815	6/9/72	Crib Point (EM)	HV contacted stringy bark tree	500 acres
PR6832	15/9/72	Hemsley Park (SW)	Burning off	Small
PR7064	20/12/72	Yeo (SW)	Fole fire	4 acres
PR6940	20/12/72	Lower Plenty (EM)	220 kV sagged into gum	2 acres
PR6939	23/12/72	Gwingamma (SW)	LV clashing	Small
PR6960	3/1/73	Caramut (SW)	Pole fire	l acre
<b>PR69</b> 75	5/1/73	Gembrook (EM)	Lightning arrestor exploded	l acre
PR6953	12/1/73	Laverton (ME)	Pole fire	Small
PR6953	12/1/73	Laverton (ME)	Pole fire	Small
PR6998	20/1/73	Noorat (SW)	Conductors contacted pine tree	2 acres
PR7015	22/1/73	Moorooduc (EM)	Pole fire	20 acres
PR7209	Sept 1973	Pakenham (EM)	Burning off	Small
PR7324 -	21/12/73	Beulah West (W)	EDO fuse (choke fitted)	600 acres
PR7325	21/12/73	Eurack (SW)	LV clashing	53 acres
PR7325	21/12/73	Eurack (SW)	Pole fell	l acre
PR7356	27/12/73	Nagéela (SW)	Tie broken	2 acres
PR7399	31/1/74	Narrawong (SW)	LV clashing	6 acres
PR7423	21/2/74	Skenes Creek (SW)	22 kV conductors fell	Small
PR7825	2/1/75	Drumanure (NE)	22 kV line contacted eucalypt	150 acres
PR7752	2/1/75	Mundoona (NE)	S.W.E.R. contacted pine tree	3 acres
PR7744	8/1/75	Rosedal <del>e</del> (C)	66 kV pole fell	20 acres
PR7804	9/1/75	Katamatite (NE)	Pole fell (termites)	4 acres
P <b>8782</b> 5	10/1/75	Drumanure (NE)	Limb being lopped brought LV together	Sumo 11
PR7876	17/1/75	South Muckleford (N&M)	Gum tree branch fell	20 acres
PR7768	29/1/75	Mingay (SW)	Limb of sugar gum fell	35 acces
PR7773	6/2/75	Chetwynd (W)	S.W.E.R. line contacted eucalypt	10 acres
PR7808	8/2/75	Lake Rowan (NE)	Clamp on fuse did not clear	30 Acres
<b>P27814</b>	18/2/75	Heywood (SW)	EDO fuse (choke fitted)	4 mCTem
PR7785	22/2/75	Grantville (G)	LV clashing	7 acres
PR7806	22/2/75	Cavendish (SW)	Pole cap fell	400 acres
<b>P%7814</b>	28/2/75	Noorat (SW)	Pole fire	310 ectes State
PR8113	4/1/76	Wermath (SW)	S.W.E.R. contacted trae	190 acres 200002 05 1
PASI 14	4/1/76	Nooleric (SW)	8.W.E.R. contacted tree	10 antes   EXSIBIT.

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PR NUMBER	DATE	LOCALITY	ALLEGED CAUSE	DAMAGE
PR8124	4/1/76	Ullina (MW)	LV clashing	12 scree
PK8127	4/1/76	Carisbrook (N6M)	Pole fell	100 acres
PR8175	4/1/76	Montmorency (EM)	LV clashing	Small
PR8115	14/1/76	Camperdown (SW)	Pole fire	3 acres
PR8144	20/1/76	Romsey (N&M)	LV clashing (tree)	4 астев
PR8133	30/1/76	Ballarat South (MW)	Loose bridges shorted	100 acres
pr6138	8/2/76	Macarthur (SW)	S.W.E.R. contacted pine tree	4 acres
PR8176	15/2/76	Wallan (NE)	Transformer fault	7 acres
PR8156	17/2/76	Cambrian Hill (MW)	Vehicle in long grass	400 acres
PN8155	19/2/76	Penshurst (SW)	22 kV conductor broke and fell	50 acres
PR8223	29/3/76	Campbells Creek (N&M)	Crane hit LV which contacted HV	Small
PR8529	14/12/76	Avenel (NE)	Crossarm broke (white ants)	20 acres
PR8562	14/12/76	Wallaloo East (W)	Pole cap fell	500 acres
P <b>R853</b> 7	21/12/76	Vectis East (W)	Harvesting machine contacted overhead conductor	15 acres
	22/12/76	Glenaroura (NE)	Tree over service	Small
PR8559	31/12/76	Arthurs Creek (EM)	EDO fuse	3 acres
PR8679	31/12/76	Lockington (NE)	Substation pole fell	l acre
	1/1/77	Natimuk (NE)	Tree fell	5 acres
	1/1/77	Chiltern (NE)	Bridge burnt through	Small
	1/1/77	Chiltern (NE)	Conductor broke and fell	Small
	5/1/77	Yackandandah (NE)	LV clashing	Small
	10/1/77	Mickleham (ME)	RV sagged into tree	20 acres
	16/1/77	Ghin Ghin (NE)	Strain crossarm broke	5 acres
PR8599	21/1/77	Apsley (W)	Birds caused service to burn down	4 acres
	25/1/77	Bannockburn (B)	HV dropper to the transformer bushing had become disconnected	Small
	27/1/77	Tongala (NE)	LV fuse	Small
	29/1/77	Yarck (NE)	LV clashing	l acre
	29/1/77	Nalinga (NE)	Sugar gum limb fell	200 actes
	1/2/77	Yarck (NE)	LV clashing	2 actes
	1/2/77	Eildon (NE)	LV clashing	Small
P28584	2/2/77	Markwood (NE)	Crossarm broke (termites)	2 астев
	3/2/77	Avenel (NE)	Pole cap fell	Small
	4/2/77	Millewa (NZ)	Explosion of lightning errestar	Small
P88670	5/2/77	Clarkefield (ME)	Conductors fell	200 acres

Pole fire

Pole fell

Clashing (tree)

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5/2/77 5/2/77

5/2/77

Yarraberb (N&M)

Serpentine (N&M)

Scronia (EN)

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PR MUMBER	DATE	LOCALITY	ALLEGED CAUSE	DAMACE
PR8697	5/2/77	Glenburger (SW)	Pole cap fell	150 acree
	5/2/77	Croydon (EM)	HV contacted trem	Small
PR8600	6/2/77	Tarayoukyan (W)	Service cable damaged by galaks	Small:
PR8610	11/2/77	Heywood (SW)	Explosion of lightning arrestor	Small
P28612	11/2/77	Heywood (SW)	Explosion of lightning arrestor	2 встев
P28614	11/2/77	Crossley (SW)	Car hit pole, bringing it down	2 встев
PR8622	11/2/77	Bringalbert South (W)	Explosion of lightning arrestor	8 acres
	11/2/77	Serenduda (NE)	Front end loader contacted conductors	Small
PR8613	12/2/77	Woodhouse (SW)	Pine limb fell	Small .
PR8621	71	Weridgil (SW)	Pine limb fell (private)	Small
PR8615	и	Hawkesdale (SW)	Conductor contacted watrle	11
PR5618	м.	Terang (SW)	LV clashing (tree)	0
PR8620		Fortland (SW)	LV clashing	•r
PR8641	n	Carisbrook (N&M)	LV clashing	ч .
PR8639	11	Mooroopna (NE)	LV clashing	
PR8628		Camperdown (SW)	Pine limb fell	u
PR8648	a	Macedon (N&M)	LV clashing (tree)	и
PR8649	71	Spring Hill (N&M)	S.W.E.R. into pine foliage	u .
PB8654	"	Coleraine (SW)	LV clashing (tree)	н
PR6650	м	Mt Evelyn (EM)	LV clashing (tree)	0 Minute 1 - 1 - 1 - 1 - 1
PR8659	и	Mt Evelyn (EM)	LV clashing (tree)	- BNRAL FREE TROADS of COND
PR8658		Upwey (EM)	Faulty LV fuse	್ ವಿಜನವರ್ಷಗಳು ಸಂಗಾರವಾಗಿದ್ದ ಎಂದು ಗ್ರಾ ಸ
PR8662	14	Hamilton (SW)	Switchboard	* [ZYCHISHT 202
PR8652		Ararat (MW)	Gum tree fell over	" JDATE
PR8661	ır	Wonthagg1 (G)	Pole top fire	1. 11
PR8663	10	Keysborough (EM)	LV clashing	1)
PR8617		Merino (SW)	Conductor contacted elm tree	150 acres
FE8619		Mortlake (SW)	Sugar gum limb fell	70 acres
<b>PR8643</b>	u	Avoca (N&M)	Cum limb fell (private)	5 acres
<b>PR86</b> 44		Newtown (MW)	Pole fell (private)	3 астев
PB8642	<b>(</b> )	Cariabrook (NAM)	LV clashing	2 ACT84
P28638	н	Taggerty (NE)	LV clashing (private)	2 ectes
P28626	· 11	The Cove (SW)	S.W.E.R. pole fell	3 ACTR6
<b>FR86</b> 40	*1	Lasnecooria (N&M)	Gum limb fell	1 apre
PR6609	"	Haddon (MW)	Conductor contected pine tree	500 acres
288645	h	Greenvale (N&M)	LV clashing	5 acres
	и	Breakwater (B)	LV clashing	1 acre
728606	n	Wallindug (MW)	EDO fues (no cap) with cheke	180 000 uqtas

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PR NUMBER	DATE	LOCALITY	ALLEGED CAUSE	DAMAGE
PR8611	12/2/77	Pura Pura (SW)	S.W.E.R. sagged into sugar gum	60 000 детен
P86605	н	Tatyoon (MW)	Sugar gum limb fell	50 000 acres
PR8616	<b>H</b>	Glenthompson (SW)	LV clashing (private) elamp on fu <del>se</del>	20 000 acres
PE8629	n	Mingay (SW)	Lightning arrestor or EDO fuse	8000 Acres
P\$8607	14	Balliang East (MW)	LV clashing	8000 Actes
PR8625	11	Byaduk North (SW)	LV clashing (private) or other cause	4700 acres
PR8606	n	Wanbra (HW)	Pine limb fell	4000 астев
PR6623	h	Beeac (SW)	LV clashing	3000 acres
	13/2/77	Benalla (NE)	Stock transport struck and broke LV service cable	Small
	14/2/77	Wyuna West (NE)	Bird caused flashover	2 acres
	14/2/77	Rosebud (EM)	Pole top fire	Small
	15/2/77	Wilgul (SW)	Line re-energised - service pole down	Small
	17/2/77	Boho South (NE)	HV conductor contacted tree	l acre
PR8646	17/2/77	Kiata (W)	EDO fuses (chokes fitted)	Small
	18/2/77	Benalla (NE)	Crossarm fire	Small -
	20/2/77	Traraigon (G)	LV clashing	Smal-1 -
	20/2/77	Warragul (G)	LV clashing	Small
	20/2/77	Gippsland Region (G)	EDO fuse (choke fitted)	Small
	23/2/77	Mt Eccles (G)	Pole fire	Small
	23/2/77	Harston (NE)	Stock transport struck LV service cable	Small
	24/2/77	Phillip Island (G)	Pole fire	Small
PR8707	11/3/77	Caramut North (SW)	Crossarm fire	Small
PR8685	23/3/77	Healesville (EM)	Limb fell	Small

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### Notes, analysis, opinion.

The first seven pages of notes and tables in Exhibit 202 are, at first reading, confusing. Particularly the first two pages appear to be talking indescriminately about percentages of percentages, thus making unabiguous and clear interpretation of the statements very difficult.

I make the following comments which I believe are reasonable, and "fair comment", though industry insiders may take an opposing view:

"caused electrically or by the S.E.C." indicates S.E.C. staff on occasion accidentally caused fires as a result of burning off tree-loppings, use of machinery and power tools, etc.. It may also mean that the S.E.C. is trying to distance itself from fires caused by railway electric lines, or by the SEC's customers' private electric lines (usually from the property boundary to the house, in country Victoria)

"Not all fires were reported" may indicate that fires caused by power lines and other live electrical equipment had a long-standing tendency to be under-reported by the S.E.C. over most of the 18 years and 2 months period for which Sir Esler Barber's inquiry sought their data|<sup>2</sup>|. This would be consistent with heavy criticism of the S.E.C. by their own solicitors and by the Inquiry's final report, for being "blind" to the evidence that their system was igniting many dangerous fires. Note at the bottom of (PDF) page 4 it states "Files relating to incidents occurring prior to 1967 have been destroyed." which adds weight to the idea that S.E.C. was an institution exhibiting symptoms of denial. It gives the appearance of struggling to come to terms with the fact that its otherwise marvellous and convenient energy delivery system had serious flaws.

The use of the word **"fortuitous"** in paragraph 3 is probably not what was intended. The sense of the paragraph indicates that the chance of a given electrical installation fault causing a fire is highly dependent upon circumstances, fuel condition, and especially weather conditions. "Fortuitous" reasonably indicates that in 1977 the **S.E.C. considered itself very lucky** that it had not caused many more serious fires in the years since bare aluminium conductors were deployed across the Victorian landscape.

### S.E.C.'s Data shows Massively Increased Risk under Extreme Weather Conditions:

The S.E.C. report should have unambiguously acknowledged they were aware that it was weather conditions – specifically strong hot winds – interacting with their installations that led to disaster on the two specified days in 1969 and 1977.

Kirk's statistical analysis especially falls over by not spelling out S.E.C.'s awareness of the risk factor that such weather conditions imply: For two days out of 6,624 days to cause 111 out of the 399 electricity fires over that period, means that the risk in those weather conditions for their assets lighting fires is 1,276 times greater – or a risk percentage increase of 127,600% – compared to the 6,622 non-catastrophic weather days. These numbers highlight the near-certainty of more disastrous firestorms in the years ahead, if Energy Safe Victoria's Paul Fearon, CFA Chief Officer Ewan Ferguson, and Fire Commissioner Craig Lapsley fail to perform their public duty to prevent preventable firestorms.

The **one-thousand-two-hundred-and-seventy-six times risk factor** would be further amplified and compounded if we factor in the number of hectares burned. The S.E.C. did not have the primary data in their possession, but CFA data shows that fires breaking out on days like 8/1/67 and 12/2/77

<sup>2</sup> A glaring example is contained in Annexure A: Exhibit 260 at the same inquiry.

are going to be much bigger that fires breaking out on milder days. It is safe to assume a factor of ten, so the risk of powerlines burning any given hectare of land in rural Victoria is probably about **one million percent** greater on catastrophic fire weather days (i.e. 10,000-fold increased risk per hectare). In this context, "Size Schedule" on PDF page 3 is particularly confusing, and if anything tends to obscure the important positive correlation between a fire's size and the likelihood it was caused by power lines. (really big fires are more likely to have been lit by power lines, same is found in Californian studies).

**There is a notable absence of any mention of the human toll.** It seems very unlikely that no deceased estate of any member of the public had ever made a claim against the S.E.C. for causing a fatality. These statistics were compiled by the claims officer, so any such claims should have been declared in these statistics.

There is undeniably a very strong positive correlation between hectares burned, rate of fire spread, and the **human death toll**, as Black Saturday so tragically demonstrated.

M. G. Gunter January 2011

### **Annexure A: Multiple Electricity Fires, 21 December 1973**

**Exhibit 260** (see image below) relates to fires on 21 December 1973: senior CFA management formally notified Chief Officer A.G. Pitfield that CFA brigades had good evidence of twenty-two fires being caused by S.E.C. lines or equipment. Furthermore "Beeac" fire was actually three separate fire starts according to Exhibit 263, so the total for the day was **at least twenty four S.E.C. fires**, but the S.E.C. data in exhibit 202 – page 16 of this PDF – will admit to only three fires in the whole state: that is **only twelve percent – or one in eight – of the number being alleged by the CFA!!** 

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	CARY 1
MEMO TO: CHIEF OFFICER	SEChoster
FROM: ASSISTANT CHIEF OFF	ICER (STAFF)
SUBJECT: FIRES ATTRIBUTED TO S.E.C. POWER LIN	OR ASSOCIATED WITH NES 21/12/1973
DATE: 14th JANUARY, 1974.	511
>	
at the following locations fires power lines or tree limbs falling	were attributed either to fallen g on power lines:-
Swanpool 15	Newbridge 2
Locksley 11	Goorac
Banjeé 11.	Birchip 20
White Gate 25	Cope Cope (2) 20
Brim 17	St. Arnaud
Lyndhurst	Stawell
(Motullah) 20	Molka
Warncoort 6	Euroa
Beeac	Picolal .
Bayswater	1 South Warrandyte 15
Ballarat	Hildoornong 21
Phone with Bader of 4	B J. R. BARBER. Acar,
De laison as	S. E. F pavise Man.
M. Peats. Il'Ca	615 0 13 BIL BOARD OF INQ EXHIBIT 26

Exhibit 260 is a document dated three years prior to the 1977 fires being investigated, but forms part of the diligent historical analysis undertaken by the thorough 1977 board of inquiry under its Chairman Sir Esler Barber. In fact, thanks to the inquiry calling for statistical data from CFA and S.E.C. going back to 8<sup>th</sup> February 1969, it virtually became an inquiry into power line fires on that earlier date as well. It would appear that the Bolte government had deemed it unnecessary to investigate the 1969 fires, and any deaths they (may have) caused at that time. In the era of Rupert "Dickie" Hamer, a "small-L liberal", government was becoming more accountable and open.

Exhibit 260 has been heavily annotated, and according to CFA Chief Officer Howe when examined before the Board, those biro marks demonstrate that there was "good liaison" between CFA senior officers and the S.E.C. to fix or mitigate the power line fire starts risk.<sup>3</sup> Others, including counsel assisting, and the Board, seemed to challenge that robustly during Howe's cross-examination. The hurried messy annotations of exhibit 260 show a laxity in CFA's record-keeping standards, and raise serious questions about CFA's attitude to alteration of the historical record, in my opinion.

M. Gunter North Melbourne January 2011

<sup>3</sup> Inquiry transcript pages 2143 to 2224, see VPRS.9823/P2, Unit 13 Item "Day 43 - 45 Transcript Of Proceedings - Board Of Inquiry"