

NOTES

Chapter One

- 1 The full board consisted of P M Anderson (chairman), Major C C Frye, Dr Umberto Pomilio, Whitmore Richards, V J Ronketti and Paul Strakosch. Anderson, Richards, Ronketti and Strakosch were all on Union Corporation's management staff.
- 2 The Italian operators included Vincenzo di Paolo, Vittorio Raimondo, Donato de Domenicis, Vincenzo Mariani and Armando Scipione.
- 3 The 16 papermakers were (from Inverkeithing) Bob Burns, Harry Gibson, Matthew Kelly, Geordie King, Jock MacDonald, George Peden, Johnny Peden, Jock Porteous and Charlie Robinson; (from Gravesend) Ted Croucher, Andy Evans, 'Old' Harry Smith and Fred Whitehead; (from Cardiff) 'Young' Harry Smith; (from Belfast) Eddie Simpson; and (from Clondalkin in Northern Ireland) Steve Foster.
- 4 The first papermaking machine was invented by a French engineer, Nicolas-Louis Robert, in 1798. Robert sold his interest in the invention and the plans reached two London stationers, the Fourdrinier twins, who commissioned an engineer to build a 'Fourdrinier' machine based on Robert's concept.
- 5 Employees who joined S A Pulp in 1938 and 1939 included many who remained with the company for decades to come. Among them were George Main, Ben Coetzee, Mike Pienaar, Denis Masson, Dick Gray, Leonard Job, Fred Snyman, George Balfour, Billy Mtshali, Arnold Clark, Ben Schlaphof, Alec Greig and Frank Noble.

Chapter Two

- 1 Sulphate or kraft pulping involves cooking with a solution of caustic soda and sodium sulphide (obtained from sodium sulphate, hence the name) and is milder and less damaging than pulping with caustic soda alone (the soda process) because the sulphur element checks and stabilises the reaction. The pulping method was pioneered in the 1880s, but 50 years went by before researchers developed an adequate way of bleaching the pulp.
- 2 At the end of 1949 the board consisted of P M Anderson (chairman), Major C C Frye, Oury Hisey, Whitmore Richards, Tommy Stratten, A T Milne and J D White, of whom only Frye and White were from outside Union Corporation.

Chapter Three

- 1 A high proportion of Tugela's pioneer Zulu were still there 30 years later. They included Adam Mhlaphe, Bethuel Buthelezi, Emmanuel Mkhwanazi, Norman Zuma, Wilfred Xulu, Henry Chili, Mbongeni Chili, Andreas Bugela and Gabriel Nhlebela.
- 2 Tugela's pioneer Indians included Aroo Naicker, Moonsamy Pillay, George Lalsingh, Solomon Joseph, Paul Ramsamy, Coopermy Naidoo, Puckray Pillay, Andy Manikum, Perunal Naicker, David Naidoo, Shota Cassim and Steven Samuels.
- 3 Tugela pioneers also included Charl Grobelaar, Wally Lake, Blackie Schwartz, Les Cheyne, Bob Burns, Andy Evans, Ken Gray, Ben Schlaphof, George Hay, Ben Coetzee, Johan Olivier, Ted Woodburn, Piet Conradie, Toppie van Jaarsfeld, Johan Visser, Kim Smith, George Hay, Gillie Wolfaardt, Syd Simpson, Fred Snyman, Sleepy Lucas, Mike Pienaar, Doug Makkink, Dave Hunter, Des Gordon-Turner, Gerry Renaud, Alan Povall, Ginger Murphy and Bill Hemmings.
- 4 In 1955 S A Pulp's board consisted of Tommy Stratten (chairman), Whitmore Richards (deputy chairman), Major C C Frye, J D Whyte, John Henderson, Leonard Job, Moore O'Hara, H Crabtree (representing Howard Smith Paper Mills) and L W Farrow and G B C Johnston (both British, representing Wiggins Teape).
- 5 Pioneer Sappi foresters included Bob Scott, Alec Mackenzie, Bokkie Botha, Archie McKellar, Sven Karth, Frikkie Rousseau, Okkie Buys and Ben Buys.
- 6 Early players included Gabriel Nhlebela, Michael Zulu, Bheki Mhlongo, Julian Mthethwa, Gideon Shandu, Michael Msami, Nhamdemi Nzuza, Barnabus Mthembu, Joseph Shakone, Freddie Makhoba, Amon Msane, Richard Ntanzi and Lloyd Zulu.

Chapter Four

- 1 Adamas's Italians included Freddie and Charlie Zuccollo, Mario Ponzo, Bruno Toffali, Carlo Casvolone, Giacomo Fabrello, Aldo Giuliani, Giulia Butlion, Gino Canale, Guido Recchia, Anacleto and Daniale Sabbadin, Pietro Savini, Richard Kirsten, Ugo and Alda Fabbri and Giuseppe and Maria Bernelli.
- 2 Ngodwana's pioneers also included Manie van Niekerk, Charlie Charlton, Roelf Joubert, Johan van As, Peter Low, Kobus Naude, Attie Dormehl, Daan Pauw, Arthur Westerman, Ertjies Steyn, Jack Hooper, Doep du Plessis, Faan Coetzee, Sandy Paul, Nic Bruyns, Albie Verster, Jan de Clercq, Hugh Riley, Johan van Zyl, Russel Moller, Mike Estill, Les Wilson, George Main and Janie Lotter.

Chapter Five

- 1 Raft race pioneers included P de Swardt, T de Beer, F van Staden, R Meek, C Woods, D Berrington-Smith, Ernest Hemmings and Frikkie Scheepers. The first women to complete the course were Dawn de Swardt and Lorraine Meyer.
- 2 In 1970, Sappi's board of directors consisted of John Henderson (chairman), Moore O'Hara (managing director), Leonard Job (technical director), Colin Anderson, Bill Andrag, Tony Croad, Fritz Fuerst, Liff Hewitt, Jan Kuschke, Whitmore Richards, Tommy Stratten and Jan van der Horst.

Chapter Seven

- 1 Stanger's pioneers included Peter Parks, Maureen Leslie, Roger Philps, Don Stead, Bruce MacIntosh, Raj Naidu, Ursula Hannenberry, Errol Smith, Kleintjie Coetsee, Willie Appelkryn, Nunhall Deonarain, Dave Swanepoel, Derek Welsh, Andy Stevens, Barney Ramdaloo, Dave Moodley, Sam Ditton, Errol Kleingeld and Hennie Maartens.

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Gordon Douglas	Bert Ibbotson	Pat McGurk
Lyn Drake	Frans Jacobs	John McManus
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THE DIRECTORATE

SAPPI'S ORIGINAL board of directors was chaired by P M Anderson and had seven members. In the years since, many others have served on the directorate, some of them Sappi executives and others representing outside interests:

Chairmen

1936-1954	P M Anderson	1977-1980	Ted Pavitt
1954-1970	Tommy Stratten	1980-1986	Basil Landau
1970-1977	John Henderson	1986-	Tom de Beer

Deputy Chairman

1954-1969	Whitmore Richards	1978-1980	Basil Landau
1969-1970	John Henderson		

Managing Directors

1941-1943	Whitmore Richards	1973-1978	Ron Day
1960-1969	John Henderson	1978-	Eugene van As
1969-1973	Moore O'Hara		

Directors

1978-1981	P H Agar	1969-1971	Liff Hewitt
1963-1972	Colin Anderson	1943-1944	H R Hill
1936-1954	P M Anderson	1948-1951	Oury Hisey*
1968-1973	W H Andrag	1974-1982	Paul Hoogendyk
1949-1956	H Crabtree	1958-1972	Leonard Job*
1965-1967	D M Craib	1949-1967	George Johnston
1970-1978	Tony Croad	1981-	Derek Keys
1971-1978	Ron Day*	1972-1981	Jan Kitshoff
1981-	Tom de Beer	1970-1971	Siegfried Kuschke
1968-1969	D P de Villiers	1976-1986	Basil Landau
1967-1969	H L du Toit	1981-	Ken Lechmere-Oertel
1949-1966	Lesley Farrow	1983-	Jan Loubser
1986-	Ian Forbes*	1963-1965	Alan Macintosh
1936-1968	Colin Frye	1963-1970	Ted Matthews
1959-1972	Fritz Fuerst	1979-	John McManus*
1972-1978	Bob Garden*	1940-1948	Tracy Milne
1972-1974	David Gevisser	1974-1977	Cyril Newnham
1954-1980	John Henderson*	1954-1977	Moore O'Hara*

THE DIRECTORATE

1972–1986	Ted Pavitt	1983–1986	Hugh Smith
1956–1961	A J Philip	1936–1941	Paul Strakosch
1936–1941	Umberto Pomilio	1974–	Peter Stratten*
1981–1986	Trevor Rees	1944–1974	Tommy Stratten
1936–1974	Whitmore Richards*	1977–	Eugene van As*
1981–	Alex Rodger*	1968–1976	J G van der Horst
1936–1943	V J Ronketti	1963–1970	Harry van Eck
1963–1968	Paul Rörich	1983–	Andre Vlok*
1971–1972	O G Schwellnus	1972–1979	Lon Wayburne*
1940–1940	P Selby	1945–1958	J D White
1972–1973	Layton Slater	1981–1981	Ian Willis*
1986–	Bernard Smith		

**denotes Sappi executive, present or past*

CHRONOLOGY

THE FIRST PAPER made by South African Pulp and Paper Industries, Ltd, was produced in December 1938, by which time the company was exactly two years old:

- 1936 Dec South African Pulp and Paper Industries, Limited, registered as a company with an authorised capital of £750 000 (R1,5 million)
- 1937 Jan Union Corporation applies for S A Pulp share listing on the Johannesburg Stock Exchange
- Jul paper machines, chemical and pulping equipment ordered from suppliers in Britain, Germany and South Africa
- Aug construction of pulp and paper mill begins on Union Corporation land near Springs
- 1938 Aug arrival of Italian operators to work in chemical and pulp sections
- Sep S A Pulp recruits 16 papermakers from Britain
- Oct mill named 'Enstra,' short for 'Enterprise Straw,' after its chief raw material
- Dec commissioning of No 1 paper machine, and first production of paper
- 1939 Feb commissioning of No 2 paper machine, though pulp section not yet operating
- Jun reported that company employing 618 people, but operators finding it difficult to make pulp from straw
- Sep South Africa declares war on Germany, leading to increased orders for Enstra paper
- 1940 Mar S A Pulp makes its first profit: £4 000 (R8 000) for the month
- Jun South Africa declares war on Italy, and Italians remaining at Enstra are interned
- 1941 Jun fire in Enstra straw park destroys 1 450 tons of straw
- 1942 Mar continuing difficulties in producing pulp from straw, and mill workers operating under severe handicaps
- 1943 Mar board declares S A Pulp's maiden dividend of 6d (5c) per share
- Jun introduction of paper rationing, and S A Pulp selling all it can make
- Dec continuing difficulties in pulping straw force the company to look for outside help
- 1944 Jul Prof Oury Hisey of the United States advises the company to pulp locally-grown wood rather than straw
- 1946 Aug suspension of paper rationing
- Oct S A Pulp signs technical aid agreement with Howard Smith Paper Mills of Canada

- 1947 Jun Union Corporation buys two farms north of the Tugela River in Zululand with aim of establishing second paper mill; later transfers them to S A Pulp
- 1948 Jan S A Pulp co-operates in establishing Union Corrugated Cases, a converting operation adjoining Enstra mill
 Mar last production of straw pulp, and the company switches to wood
- 1949 Aug announcement of plans to expand Enstra with two more paper machines
 Oct authorised capital increased to £1 million (R2 million)
- 1950 Sep S A Pulp acquires farm in Ixopo district of Natal with aim of establishing a pioneer plantation
 Nov S A Pulp and Union Corporation decide to proceed with development of second mill on the Tugela
 Dec authorised capital increased to £1 750 000 (R3,5 million)
- 1951 May establishment of an S A Pulp head office in the Union Corporation complex, Johannesburg
 Jun start made on clearing site for the Tugela mill
 Aug commissioning of Enstra's No 4 machine, to be operated with help from Wiggins Teape of Britain
- 1952 Feb groundwood pulp produced on experimental basis, used to make newsprint
 Oct start-up of Enstra's No 3 machine, increasing the mill's output to 100 tons of paper per day
- 1953 Apr commissioning of new electrolytic technology in Enstra's chemical section
- 1954 Feb reported that 1 800 ha of company land in Natal planted with pine seedlings
 May completion of Tugela construction programme and installation of equipment
 Jun Tugela mill produces its first reel of paper, prepares to supply packaging customers while Enstra concentrates on fine papers
- 1955 Mar Tugela mill increases output of pulp and paper, using wood railed from the Natal Midlands and Zululand
- 1956 Feb protective tariff gazetted for certain types of paper, to shelter S A Pulp from imports
- 1957 Mar reported that area of company land now planted with seedlings amounts to 3 860 ha
 Dec S A Pulp celebrates 21st birthday with parties at Enstra and Tugela
- 1958 Mar commissioning of No 3 paper machine at Tugela, to make MG (machine glazed) papers
 Nov S A Pulp proposes to begin making newsprint, and Newspaper Press Union undertakes to buy 22 000 tons per year
- 1959 Mar reported that the company's land holdings amount to 10 000 ha of which 8 000 ha are planted
 Jul S A Pulp takes majority holding in Union Corrugated Cases
 Sep completion of building for technical department at Enstra
- 1960 Jan S A Pulp acquires majority share in Cellulose Products, manufacturer of tissue wadding
 Oct commissioning of chlorine dioxide bleaching plant at Enstra
- 1961 Apr first newsprint produced on No 6 machine at Enstra
 May authorised capital raised to R9 million
- 1962 Mar reported that company's land holdings amount to 11 000 ha of which 9 400 ha planted with trees
 Apr Newspaper Press Union instructed to increase its newsprint order to 35 000 tons per year

- Oct S A Pulp produces its one millionth ton of paper
 Dec production figures for the year: 40 000 tons of fine papers, 35 000 tons of newsprint and 70 000 tons of kraft
- 1963 Feb commissioning of No 2 machine at Tugela, to specialise in kraft liner-board
 Jun start-up of Clupak sack kraft production on No 1 machine at Tugela
 Aug S A Pulp committed to produce more than 90 per cent of South Africa's requirements of newsprint
 Sep authorised capital increased to R12 million
 Nov S A Pulp disposes of its holding in Union Corrugated Cases
 Nov acquisition of two farms in Elands River Valley for proposed new mill (Ngodwana); also farmland (Elandshoogte) to establish plantations
- 1964 Feb site clearance begins at Ngodwana
 Mar S A Pulp acquires S A Adamas Fibreboard and Paper Co in Port Elizabeth
 Aug authorised capital increased to R24 million
 Nov extension of Enstra's No 6 machine
- 1965 Feb Escom power connected at Tugela
 Mar authorised capital increased to R28 million
 Jul Cellulose Products merged with Kimberly-Clark of South Africa
- 1966 Jan start of commercial newsprint production on No 4 machine at Tugela
 Aug Ngodwana construction completed, and the new mill produces its first pulp
 Oct S A Pulp produces second millionth ton of paper
- 1967 Feb Cellulose Products mill closed; staff transferred to Kimberly-Clark of South Africa, now based at Enstra
 Mar commissioning of new tissue machine at KCSA
 Aug official opening of Ngodwana mill
 Dec net profit for the year: R3 470 000
- 1968 May S A Pulp applies for patents covering Sapoxal bleaching process
 Jun establishment of S A Pulp timber division with administrative office in Benoni
 Sep Adamas mill flooded out following Port Elizabeth cloudburst
 Oct S A Pulp men attend Sapoxal trials at Jössefors in Sweden
 Nov start-up of the No 4 machine at Adamas, expected to produce coated papers
- 1969 Jun S A Pulp produces its third millionth ton of paper
- 1970 May trials begin on world's first commercial Sapoxal bleaching reactor at Enstra
 Aug Tugela's No 4 machine equipped with Clupak unit
 Aug portion of S A Pulp's newsprint production subcontracted by Mondi Paper
 Nov Kimberly-Clark of South Africa merges with Carlton Paper Corporation
 Dec production for the year: 408 000 tons, but sales 397 000 tons
- 1971 Jul commissioning of tall oil plant at Tugela
 Dec profit for year nosesdives to R676 000 from R3 876 000 in 1970
- 1972 Mar reported that company's land holdings amount to 65 000 ha of which 50 000 ha under trees
 Mar S A Pulp reorganised into three 'line' and three 'staff' departments, former being marketing, production and timber divisions
 Apr board announces no final dividend to be paid for 1971
 Nov start-up of NSSC pulping at Tugela
- 1973 Apr company re-registered as 'Sappi Limited'
 Dec record turnover for the year of R83 977 000 and taxed earnings of R5 867 000

- 1974 Oct launch of marketing 'Operation Streamline' to rationalise paper production
 Nov Sapoxal team awarded the gold medal of the Associated Scientific and Technical Societies of South Africa
- 1975 Mar company's land holdings amount to 83 500 ha of which 53 800 ha under trees
 May fire at Adamas destroys R2 million worth of imported pulp and waste paper
 Aug start of pulping and bleaching expansion at Enstra
 Oct scarcity of orders forces Sappi to put three paper machines on short time
- 1976 Oct Sappi becomes Union Corporation subsidiary, through an exchange of shares, and Carlton Paper becomes a Sappi subsidiary
 Dec Sappi's 40th birthday celebrations, with special emphasis on long service awards
- 1977 May formation of three operating subsidiaries — Sappi Fine Papers, Sappi Kraft and Sappi Forests, each with its own board of directors
- 1978 Aug commissioning of Copeland fluid bed reactor, key to Enstra's pulp expansion programme
 Nov commissioning of drum debarker at Tugela, the first in South Africa
- 1979 Mar after causing many problems, Copeland reactor at Enstra performing satisfactorily
 Jun Sappi acquires Stanger Pulp and Paper from the Reed group
 Jul start-up of 750 ton-per-day continuous digester at Tugela
- 1980 Feb Sappi head office moves to Rennie House in Braamfontein, together with its operating subsidiaries
 Aug Union Corporation and General Mining merge as General Mining Union Corporation or Gencor
 Sep formation of a new division, Sappi Timber Products, specialising in saw-milling
- 1981 Jan Sappi Timber Products takes over Elandshoek sawmill near Ngodwana
 Mar company reports land holdings of 110 000 ha of which 70 000 ha are under trees
 Mar acquisition of Venus Timbers with plantations in the Eastern Transvaal and Zululand
 Jul Cape Kraft, a new waste-based mill in Cape Town, produces its first paper
 Jul Sappi's board gives go-ahead to a major expansion at Ngodwana and Enstra
 Aug beginning of site clearance for Ngodwana expansion
 Nov official opening of Cape Kraft
- 1982 Jan Sappi acquires Novobord
 Mar erection of first steel structure at Ngodwana
 May Tugela's No 4 machine enhanced with Flakt dryer
- 1983 Sep commissioning of newsprint machine at Ngodwana
 Dec acquisition of Timberboard, soon linked with Novobord
- 1984 Mar amendments in Income Tax Act have adverse effect on financing of Ngodwana commissioning
 May launch of 'Let's Do It Right Now' campaign
 Jul launch of 'Excellence in Achievement Awards'
 Aug testing of Kamyr continuous digester at Ngodwana
 Sep move to new head office building in Ameshoff Street, Braamfontein
 Nov move to new head office building; first unbleached pulp produced at Ngodwana's new pulping plant
- 1985 Feb first saleable tonnages of bleached pulp produced at Ngodwana
 Mar commissioning of kraft linerboard machine at Ngodwana

- Apr explosion in recovery boiler at Tugela, necessitating extensive rebuild
- Jul Sappi sawmills merge with Barberton Sawmills
- Oct Sappi sells interest in Carlton Paper to Union Corporation
- 1986 Jan creation of Sappi International to handle export marketing of all Sappi products
- Jun commercial production of liquid packaging board at Ngodwana
- Jul commissioning of pass-out turbine generator at Ngodwana
- Aug announcement of greatly improved results; announcement of fresh rights issue
- Dec Sappi's 50th anniversary

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