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THE SUNDAY TIMES, APRIL 2: 1978

Oliver Gillie wrote the story illustrated left three years ago. Now he reveals. 40000 PRIMODO

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May 1975: but the companies knew since 1967 AND SEE ANY AND THE SEE ANY SEE AND SEED AND

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By Offiver fillin, Medical Correspondent

Primodos 1 tablet on each of two consu

July 1969 : Schering's booklet to doctors denies

BY NOW, Schering's main rival, Roussel, had dropped—in May 1969—its description of its own drug. Amenorone Forte, as a hormone pregnancy test. Now, Roussel referred to it only as a greatment for amenorhea (the absence of period).

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The possible reason for this was reported to Berlin by Pitch-ford on August 7, 1959, Rousel, he said, had been looking at the effects of the drugs: "A long

This too was incorrect, as Briggs and his colleagues later discovered. What was being tested was Schering's range of contraceptive pills, havolar and Cynovlar. In any case, these technical reasons. (It was betellical reasons. (It was betellical reasons. (It was betellical reasons. (It was betellical reasons.)

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Sir Eric Scowen: head of a

DOCTORS inside the drug com-

poctors inside the drug company manufacturing the most widely used hormone pregnancy test in Eritain were so worried by evidence of its possible damage to under a children that they wanted to withdraw the drug 10 years age 8 at the parent company, Schering . G of Berlin, refused. Lear week, the drug—Primodos—as will in chemists shops in this country.

Internal correspondence from the British company, Schering Chemicals Ltd, of Burgess Hill in Sussex, has come into the hands of The Sunday Times.

Three years ago, this newspaper pointed to the failure of the Government-appointed drug safety committee to take action against Primodos. Now, the correspondence reveals that senior executives of the British company were so worried by their German parent's attitude that, again as early as mid-1968, they wirtually invited the safety committee did nothing.

If the intervening decade, a million and a half women in Britain have taken hormone pregnancy tests. The number of deformed children born as a consequence is estimated to run into thousands.

sequence is estimated to run into

THE FIRST concrete evidence THE FIRST concrete evidence that sex hormones might cause human birth defects came in October 1967. Dr Isabel Gal, a research worker at Queen Mary's Hospital for Children at Carshalton in Surrey discovered that women who had spina bifida bahies were more likely than women with normal babies to women with normal bables to have used hormone pregnancy tests. As well as that dreadful spine defect, Dr Gal found babies born to women taking the drugs were more likely to have hydro-cephalus (swelling of the brain). Dr Galle wack was the first

Dr Gal's work was the first pointer to human consequences. And nowhere was her report read with more concern than at the offices of Schering Chemicals Ltd, at Burgess Hill In Sussex. For Schering not only manu-

Ltd, at Burgess Hill in Sussex.
For Schering not only manufactured Primodos, the most
widely used of those pregnancy
testing kits. It was also the company which had launched the
oral contraceptive pill in Europe
—and those pills contained, in
different mixtures and strengths,
the same hormones as the pregnancy tests.

different mixtures and strengths, the same hormones as the pregnancy texts.

Gal's figures only related to women in the London area. But Schering's research director, Dr Michael Briggs, had wider figures to work on. He had the sales of Primodos throughout Britain. And, because British medical statistics are very good, he had detailed breakdowns of all birth deformities recorded across the country. To refine across the country. To refine across rival in the pregnancy testing forte, manufactured by the Freich firm Roussel.

Briggs sent all these figures to Dennis Cooke, a mathematics Dennis Cooke, a mathematics lecturer at the University of Sussex. On November 2, 1967.

Cooke reported a "strong correlation" between the incidence of malformations and the sales of the drugs.

Briggs was not his own master.

Briggs was not his own master,

CAUTION S4 FRIMODOS amenorone forte These drugs can deform babies but mothers are mot warned

May 1975: but the companies knew since 1967

 Oliver Gillie wrote the story illustrated left the years ago. Now he reveals . . .

Drug compan ignored deformity risk for 10 years

The British end of Schering is a wholly-owned subsidiary of Schering AG of Berlin. So Briggs passed the information—and his concern—to Berlin.

Throughout what followed, Schering's German head office took a consistent line: it attacked uncomfortable news, and tried to protect Primodos.

Thus, Berlin's first defence

Thus, Berlin's first defence against Briggs's news was to respond that, in Germany, sales of the drug did not correlate with birth abnormalities. But when Briggs sent the German figures to Cooke, the mathematician pointed out that, unlike those in Britain, German statistics do not record all birth abnormalities, only deaths from abnormalities, Berlin's calculations were misleading. abnormalities. Berlin' tions were misleading.

tions were misleading.
BRIGGS AND his colleagues at Burgess Hill realised the scale of the problem they faced. Promodos had been on sale in Britain since 1958. By 1968, four out of every ten British women who thought they might be pregnant were using hormone texts. Hundreds of thousands of babies were at risk. Then there were the implications for millions of women taking the Pill.

Pill.
On June 6, 1968, Dr Alan
Pitchford and Dr Patrick Eye,
medical directors of Schering
Chemicals in Britain, wrote to
Dr J. Friebel, a medical adviser
of the company in Berlin, urging:
"... we must reach a decision
"exampling our own product

regarding our own product Primodos and its possible relationship to foetal abnormalities.

"As manufacturers it is our moral duty," they said, "to do all possible to ensure the safety of the preparations which we market. Where suspicion of this market. "These suspicion of this market." kind has been aroused by an investigator whose integrity and ability cannot lightly be challenged, the onus of proof must lie with us. It is for us to establish that the drug is safe to use. . . . "As an interim measure

they said, they had stopped promoting the drug.

Promptly, on June 14, Friebel eplied with Berlin's second line replied with Berlin's second line of defence. Studies were in pro-gress, he said, to see if the drugs caused abnormalities in off-spring of pregnant mice and rabbits.

This too was incorrect, as Briggs and his colleagues later discovered. What was being tested was Schering's range of Contraceptive pills; Anovlar and Cynovlar. In any case, these tests proved inconclusive for technical reasons. (It was because the drug laws of the time did not require it—that the contraceptive pill had not been tested on animals before being marketed.)

Balked by Beelin, Pitchford

marketed.)

Balked by Berlin, Pitchford then turned to the officially-appointed body in Britain which might have been expected to support him, the Committee on Safety of Drugs. But despite its wide remit to monitor drug side-effects and protect the public, the committee proved a poor ally.

Though it was "unhappy."

Though it was "unhappy" about the use of hormone pregnancy tests, he was told, there was "insufficient information for any definite action to be " unhappy

Evidence continued to accu-mulate however. In January 1969, a survey by the Royal College of General Practitioners revealed an apparent increase in abortions among women revealed an apparent increase in abortions among women taking the hormone drugs. The college circulated the survey privately among drug companies, and, remarkably, even though the author of the survey, Dr Norman Dean, was sufficiently alarmed by his results to recommend withdrawal of the drug, the current president of the college, Dr. Ekkehard von Kuenssberg, felt able to write to Schering, "I hope you won't feel worried" by what he called Dean's "personal opinion." Primodos 1 tablet on each of two Bleeding follows in 3-6 (rarely as to there is no pregnancy. Ar existing affected by Primodos.

July 1969 : Schering's booklet to doctors



Sir Eric Scowen: head of the drug committee that took no

Dr Kue Schering to stop

He need not have feared, Berlin remained unruffled. On February 11, the Scharing doctors Friebel and Ursua Lachnit concluded: ". the results are, in our opinion, by no means alarming and n particular we do not see asy basis for Dr Dean's recommendation to withdraw Prinodos from usage."

Nine years later, that survey remains unpublished. But the college admits that further analysis confirms its conclusion that the hormone test do case abortions.

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Again, Pitchford appealed to the Committee on Safety of Drugs—again, to no avail. A stand by the committe at the point would immeasurably have strangthened Pitchford's appear to Berlin, to take the drug the market. Instead, in Februy 1969, one of the committee's search officers, Dr Willm Inman, told Pitchford: "Edata you have so far are questioned."

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Primodes 1 tablet on each of two consecutive days.

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July 1963 : Schering's booklet to doctors denies the risk



Se Eric Scowen: head of the



Dr Kuenssberg: advised Schering not to take advice to stop drug

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unhelpful in coming to a deci-

sion on withdrawal.

The ineffectives of the committee had a simple cause. Before it was willing to pass judgement on a drug, demanded the highest standard of scientific proof, which was radicable, but ignored the almon sense approach that the possibility risks of a drug last to be balanced against it lase. And the fact was that, see the early 1960s, hormone was had been unnecessary because the simpler urine tests was a smalle.

Schering kne this. In July 1969, Pitchfor wrote to Friebel: "There wery little justification for the use of Promodos when more rapid diagnosis can be ade by means of slide or tube has the interest of status that the results of status human studies and animal studies and the positivity has pregnated." He prointed to the consequence of the consequence of

reach the public. For in the same month, July 1969, in which Pitchford was writing so anxiously to Berlin, Schering issued a booklet for British doctors called Synopsis of Hermone Therapy in the Female. It declared: "An existing pregnancy is unaffected by Frimodos." Such an unqualified statement had no justification.

BY NOW, Schering's main rival, Roussel, had dropped—in May 1969—its description of its own drug, Amenorone Forte, as a hormone pregnancy test. Now, Roussel referred to it only as a treatment for amenorrhea (the absence of period).

The possible reason for this was reported to Berlin by Pitchford on August 7, 1969. Roussel, he said, had been looking at the effects of the drugs: "A long term study in humans is nearing completion, a computer analysis of which should be available shortly. An interim analysis revealed statistically significant abnormalities in patients receiving hormone pregnancy tests."

Asked about this study recent, ly, Dr Norman Eve, the present medical adviser to Roussel, at first denied that any such study had been made but finally agreed that a study had been undertaken. He said thaht it showed no risk.

dertaken he said thant it showed no risk.

Whatever the findings, they did not persuade Schering to follow Roussel's example. And not until 1970 did any official body—and then not the Committee on Salety of Drugs but another group, the McGregor Committee on labelling of drugs—take action against Schering to follow Roussel—not because of the risk, samply because McGregor et last recognised that the hormone test was obsolete and unnecessary. Even in this, however, the authorities were inconsistent; another hormone preparation, British Drug Houses' Secrodyl, was allowed to be described as a pregnancy testing drug until 1973.

Other countries were less fallering.

Other countries were less faltering. The first to act were the Swedes, who banned the drugs for pregnancy tests in 1970. The Finns followed in 1971. In Roje. until 1972; Primodos remained the market leader; and Schering knew, from their own market research as early as 1963, that three-quarters of the Primodos prescribed was for pregnancy testing rather than as a treatment for absent periods. Yes Schering took no positive steps—nor did the authorities require any—to warn doctors.

EVEN when, in January 197: Schering in Berlin finally recommended to all its subsidiar companies that they cease in promote Primodos tablets, the companies were instructed to tell doctors that the "Schering expert panel" was of the opinion that: "Despite the exceptionally widespread use of this preparation, there have specifically been no adverse effects occurring till now upon the embryo or foetus of an existing pregnancy." This statement totally ignored all the scientific evidence.

totally ignored all the scientific evidence. How serious that evidence was the American watchdog the Food and Drugs Administration, powerfully summarised in January 1975. It warned that sex hormones "should not be used in early pregnancy for any purpose. Such use of these hormones may seriously damage the foctus... including heart and limb reduction defects."

Yet in Britain, even though

and limb reduction defects."

Yet in Britain, even though
the Committee on Safety of
Drugs had by now been superceded by the Committee or
Safety of Medicines with
stronger powers, the authorities
took no action. They did
nothing even when, in April
1975, two of the committee's
staff, Dr Gillian Greenberg and
Dr William Inman, published
research data showing that
women takin gthe drugs had a
greater proportion of abnormal
babies. They concluded: "There
is little justification for the
continued use of [these]
pregnancy tests when alternative methods are available."

NOT UNTIL The Sunday Times had drawn attention in May 1975 to the contradiction in its actions did the Committee on Safety of Medicines finally send out a warning to doctors. Schering at once responded by attaching a red warning label to the Primodos packets available in Britain.

Primodos packets avaitable in Britain.

Even that was clearly inadequate. According to independent market research figures, sales of Primodos and other hormone pregnancy test drugs in Britain fell by a third in Britain fell by a third in Britain following these warnings. Yot some 40,000 women were still prescribed the drugs as a pregnancy test in 1975, and some 25,000 had it in 1976. Even last year—after a second warning from the committee — 6,000 women in Britain took the drug as a pregnancy test. And though Schering now say that the drug has been "discontinued" in Britain for "economic reasons." The Sunday Times obtained Primodos on prescription two weeks ago.

weeks ago.

Moreover, sales of Primodos
worldwide grossed £4 million
last year. And Schering acknowledge that they did not attach
the red warning labels to Primodos sold outside Britain.
Schering see her being sold in the see

Schering say that in their opinion there is no substantive evidence to date to support the "hypothesis" that hormone pregnancy tests cause abnormalities at birth. They quote a statement by the German Endocrino-