## MARILYN BUTLER

## Frankenstein and Radical Sciencet

rewarded with a great deal of it. Man Sheller invites speculation, and in the last generation has been or what happens when a man tries to have a baby without a woman.1 the mad scientist, the id on the rampage, the proletariat running amok version of the Faust myth, or an early version of the modern myth of Mary Shelley's Frankenstein is famously reinterpretable. It can be a late

a quick sketch of Frankenstein's Monster. Readers, filmgoers, people get too clever with technology warning don't usurp God's prerogative in the Creation-game, or don't who are neither, take the very word Frankenstein to convey an awhil thinks of scientists was able to summarise his findings wordlessly, with A Californian researcher recently employed to find out what the public lic has seemed remarkably little divided about what the action signifies title, characters and plot first became public property, the general pub-From professionals, that is. Since 1823, the year when the novel's

accessible books, above all the serious Reviews. sented to the British public in the 1810s by lectures, newspapers, a few moting 'favourite projects and passions of the times'. By 'projects' must ical. No-one appears to discern, as some modern critics do, an allegor, think. All three serious reviews in 1818 mention that the novel is topwere likely to think, or on the evidence of early press comment did not science as formally taught, but current scientific activity as reprebe meant the novel's network of allusions to contemporary scienceof revolution or popular unrest, instead they suspect it of covertly pro-Yet this is by no means what knowledgeable first readers in 1818

in the Edinburgh Review the previous year. The novel which grew from certainly does draw on a scientific dispute, conducted in lectures afteras such particularly in the Quarterly Review, in the years 1816-18: wards published as books, the first of which was the subject of an article beside the shores of Lake Geneva between 16 and 20 June 1816 almost this aneedotal beginning introduces a range of scientific news, reported The idea Mary Shelley famously hit upon in a house rented by Byron such as electricity and magnetism, vivisection and Polar

exploration - and the spectre of new radical French work in what be

came evolutionism.3

neglected charge of blasphemy against irreverent writings. In 1819 it cially of radical materials intended for a popular readership." From Quarterly Review, published articles calling for press censorship, espepress, including the leading cultural journal, the Anglican and Tory themselves black, red and yellow. From early 1817 the pro-government outrageous and outraged, in media that included popular papers calling social unrest, and much frantic comment, in moods ranging between implicated.9 science -- with which, as I shall show. Frankenstein itself is directly for the first time directed this call against a serious book on evolution 1818 the Quarterly several times called for the revival of the long-After a long, costly European war, these were years of recession

torm in 1831 stantially different and less contentions novel when reissued in popular but because of what readers thought, that Frankenstein became a submore knowing. It is not so much because of what Mary Shelley thought dangered the book's future, for it read differently after readers became cerning some of the kinds of science represented in Frankenstein enportance from lectures and journals, had lived by the media, and after 1819 might well have died by the media. The public controversy con-The 1818 Frankenstein, which had drawn nomishment, energy, im-

stein is disproportionately impressed by passages introduced in what such passages of reflection and analysis that the empathetic modern enstein, expresses religious remorse for making a creature, and it is on the stupendous mechanism of the Creator of the world third edition of 1831, which Mary Shelley not only changed but, in a looking at the same text of Frankenstein. It will be a reprint of this very reader is encouraged to dwell. Our current understanding of Franken-Mary Shelley added long passages in which her main narrator, Frankan impression easily left by the novel in its 1818 form. But in 1831 new Preface, interpreted -- as the story of a 'human endeavour to mock However unalike their approaches, modern critics are likely to be That is not

Fress Lisser Literary Supplement 4 April 1993. Reprinted with permission of the author, See Lisses Neben Ir., Night Thought on the Codine Nucl. Yale Rovins 52 (1993), 236-37.
 Frenco Morett, Signe Takes for Wonders (London: Verso, 1983), 83-108; Anne Mellin, Mars Sheller, Her Lifte, Her Letton, Her Monsters (London: Routledge, 1988), 40.
 Friedwingh Rovins 28 (1814), 384-38.

Key endence for this connection appears in the acticle on vitalism in the Quantrib (1820), for which see in 3 above. That article is reprinted as Appendix C to any edition, Frankratein, Or, The Modern Promberies The 1818 Text London William Pickering, 1928; separated as a World's Classic paperback (Oxford, 1924), 229–31.

Mare Shelter, Preface to 1931 ed., Betty T. Bennett and Charles E. Robinson fields. Mare Shelter Reader (NY). Oxford University Press, 1930), p. 179.

might be called the composite Frankenstein, the product of a decade and a half of religious-scientific controversy.

It is of course standard practice for an editor to select the last version

Frankenstein is the strongest of the three. The newsworthiness of this tive reasons why the first was to be preferred. The case for Frankenstein marising the historical reasons why the two differed, and the imaginahard to say that it was she who changed her mind. outside pressures which have little to do with aesthetics, and make it novel meant that after publication text and author were subjected to freighted with inessential additions. In one respect the case for the early brilliantly-imagined earlier book has been neutered or at best over-Return of the Native in favour of the first edition (1878), neatly sum-Oxford's Worlds Classics passed over the standard 1895 text of The lenged. Wordsworth's early versions of 1799 and 1805 of his great poem (1818) resembles these two precedents, since an urgent, unusual, ferred to the much-revised text of 1850. Last year, Simon Gattell for determine its final form. But, like all rules, this one exists to be chalthe author revised, on the grounds that no-one has a better right to The Prelude, first published posthumously in 1850, are now widely It is of course standard practice for an editor to select the last version

Within the last two decades the 1818 text has become available again. The first scholarly edition by James Rieger (1974, reprinted 1982) remains in print, and since 1990 two new editions based on 1818 have come on the market. The more helpful versions of either text now give some account of the variations between the two. But it requires an external, circumstantial perspective to show how the first Frankenstein arose, and why the second is almost a new book.

The single most striking new fact to emerge is the link between Frankenstein and the celebrated, publicly-staged debate of 1814–19 between the two professors at London's Royal College of Surgeons on the origins and nature of life, now known as the vitalist debate. The issue was raised in a lecture of 1814 by the senior of the surgeons, John Abernethy, who apparently sought to unite religious and secular opinion with a formula acceptable to both. Materialist science, concentrating on the organisation and function of living bodies, could not Abernethy acknowledged, adequately explain life itself. A mysteriou superadded force was needed, some 'subtile, mobile, invisible substance', analogous on the one hand to soul and on the other to electricity.'

Coleridge scholars are aware of Abernethy because Coleridge approved of him, and built on his arguments in an essay, 'The Theory of Life', which remained unpublished in the poet's lifetime. Some modern Shelleyans have recognized that Abernethy's antagonist William Lawrence was Percy Shelley's physician (and in the very years of the

but in ct no critic has examined Lawrence's boldly septical economic relation to the writings of the intellectually close-and Shelley group, which at his time included Percy and Mary Shelley, Peacock, Huntana Byron.

by Abernethy's colleague and former protégé, make the materialist position sound like the more brilliant, cogent writer than Abernethy, in clecturer and a formidable adversary. Historie claims, if often cautious ones, for Lawrence's conevolution controversy. But his major book, and the Natural History of Man (1819), be so ptical and discriminating over new evolutionist as o everything else. What seems more certain is that his entry controversy and connecting history of the German hy, have opened up the way anatomy taught to London medical students in the second

tively on scientific matters than a strong imaginative appeal for the all eat of the French Revolution, his after way of envisaging progress, free This was above all natural 'rio ptural and for some minds antile ie of a progress. Mankind, the other own, of adaptation or what pe it. The writers in turn showed iterary platform from which to over the door cautious colleagues.

there is a standard seemed to the restrict as a standard seemed to the restrict the novel. But the coincidences shows that the seemed to the s

John Ahernethy, An Enquiry into the Probability and Rationality of Mr Hunter's Theory of Life (London: Longman, etc., 1814), pp. 48, 52.

when the contracts expecially William and scientific contracts, especially William to write. Physician to Stielley and Mary's writer at 1193, 141-52, and N. Crook and D. Guiton, C. U., a 1986).

mantic literary experiment and in the social history of science. extent of the cultural challenge offered by this striking episode in Rofact it is only when their stories are considered together that we see the

of abstracting the animating power from the animal catch nature in the fact. On the contrary, what we can observe of moment of their formation . . . when matter may be supposed to receive its origin in that of their parents." The materialist thinker sees no means animals is that 'all have participated in the existence of other living the stamp of life. can, Lawrence says, to find origins and 'to observe living bodies in the of all the functions' a living body can perform. We have done what we word Lawrence allegedly introduced to Britain), life is the 'assemblage as physiology and anatomy can properly handle it. For biologists (a second, 'On Lite', focuses rigorously on the issue raised by Abernethy opened his campaign against Abernethy. The first is a wide-ranging Surgeons in 1815, and in March 1816 gave the two lectures which beings . . . the motion proper to living bodies, or in one word, life, has survey of recent Continental work in the physical sciences, while the Lawrence was appointed a second Professor at the Royal College of . Hitherto, however, we have not been able to

creatures. or by the illusory analogies of other sciences; . method: 'He did not attempt to explain life by . . . . a priori speculations named, would have been on his, Lawrence's, side when it came to chemists, including presumably Davy, whom Abernethy had recruited examination of the fabric, and close observation of the actions of living and galvanism, can only serve to perpetuate false notes in philosophy The reference to gravity, to attraction, to chemical affinity, to electricity should be left to the real professionals. In this case that meant excluding a little coarser. But even in the more guarded 1816 lectures there was The great John Hunter, after whom his and Abernethy's lectures were Organized bodies must be treated differently from . . . inorganic. an offensive tone of superiority in the demand that the Life question properties, surely they may reside in a fabric which differs only in being Abernethy as his opponent, and openly to ridicule the argument that For subtle matter is still matter; and if this fine stuff can possess vital electricity, or 'something analogous' to it, could do duty for the soul-By the time of his 1817 lectures, Lawrence was willing to identify but by a patient

tor Polidori recorded in his diary that he and P. B. Shelley had a against spiritualised vitalism. On June 15 1816, at Geneva, Byron's docin that March of 1816, when Lawrence first put the materialist case Mary and Percy Shelley, Lawrence's friends, were living near London

conversation 'about principles -- whether man was to be thought merely any probability of its ever being discovered and communicated. On 16 auditing, on the nature of the principle of life, and whether there was conversations on subsequent days, with Byron participating, she stiently contest. June, most members of the party agreed to take part in a ghost-story an instrument." Fifteen years later Mary Shelley remembered several

it to recognise. Frankenstein the blundering experimenter, still working seems to know too little science rather than too much. more a humble Sorceror's Apprentice, Frankenstein as first devised ce's sarcastic debating manner. Not so much a mythical Prometheus, portrayal of her hero is larsh, contemptuous, with a touch of Lawrenganic with organic methods. The fact is that in 1818 Mary Shelley's the spark of life. Frankenstein's other procedures are made unpleaposes that the superadded life-element is analogous to electricity - parwith superseded notions, suggests the position of Abernethy, who proghost-story competition to some degree acts out the debate between on sale by June 1816 in book form. In fact, Mary's contribution to the the vitalist debate, and presumably of Lawrence's lectures, which were santly anti-life, recalling Lawrence's unfavourable comparison of morficularly when he uses a machine, reminiscent of a battery, to impart Abernethy and Lawrence, in a form close enough for those who knew There surely cannot be much doubt that the group were speaking of

appropriate to a witness brought back from the remote past - a phrase in exercise in self-observation, social observation, and retrospective their meeting, and still more persuasive when relating his life-history, eloquent than Frankenstein in the conversations that introduce and end the fossils he patiently reconstructed into lifelike animals.7 He is more the scientific showman Georges Cuvier had recently used to describe being, by learning language at all. Yet the voice in which he narrates to a unique and unnatural process, he defies all odds, as a parentiess the second of the three volumes is impressive, in a strange register Creature has few claims to act as the third. Just as he owes his existence narrators, Frankenstein and Vallon, an inventor and an explorer, the Compared with the professional qualifications of the novel's first two

Lawrence at the Royal College of Surgeone (Landon, 1816), 140-42.
 Lawrence, Lecture on Physiology, Zeology and the Natural History of Man (Landon: Callers, 1819), Lecture 3 (1817), p. 84.
 Ibid. Introduction to Court.

duction, Punkerstein, Diary of J. W. Polidon, 1816 (1911), quoted James Rieger (ed.), Intro-duction, Punkerstein, or the Modern Prometheur. The 1818 Text (Chicago, U. of Chicago Press, 1982), p. xvii.

See opening sentences, Fundamatain (1818), ch. +
Not only does he not graves for the field of the dead (ch. 3); he performs viviscetion ('fortures'
the large arminal.' This, along with other forms of cruely to unimals, was particularly objectionable to humanitariam and principled vegetariam such as the Shelleys.

Georges Cavier (1769-1832) popularised paleontology, in a triumphandy imagnative pre-tentation of the remote part. My key, my principle, will caudele us to restore the appearance of these long-vanished hearts and relate them to the life of the present 'Cavier, Europ or He Theory of the Earth, Edinburgh, 1815). See also Edinburgh Review 20 (1812) 382, and Loren Elsseley, Durwin's Century, p. 84.

of scientifically following up Frankenstein's technological achievement animal, the Creature succeeds in the task Frankenstein abandons, that analysis. By tracking his own maturation, from a solitary to a social

winged animals who had often intercepted the light from my eyes. and a cloak to wrap himself in. He responded, pleasurably, to moutlight tion between light and dark. He might have died of hunger and eximpressions were still unclear, but he now began to make the distincand birds when still unable to name them, let alone classify the little posure had he not found berries he instinctively ate, water to drink finding himself, very cold, out in the woods near the town. His visual events. Still unable to focus his eyes, the Creature blundered round his careful record for Frankenstein's excitable recollection of the same Frankenstein's lodgings in the big Ingolstadt rooming house, before He begins his narration on the night of the experiment, substituting

isolated from humanity. Already in his System of Nature (1735), Lineighteenth-century precedents, in the literature on Wild Boys and Girls imaginatively, in a way that anticipates the scenes in William Golding's loss of nurture by human parents in inlancy.8 stance, thanks to the devoted teaching and careful reporting of Jeanhuman physical and cognitive development, this remains a classic indiscovery came to light in Paris in 1799. For what it reveals of early famous case of Mary Shelley's day was the Wild Boy of Aveyron, whose mute and hairy', and lists ten recorded instances from 1544. The most naeus speaks of homo furus as a distinct human species, 'four-tooted who had supposedly grown up among wild animals, or at any rate encounters with homo sapiens. But there are conventionally-written deaf-mutes, who cared for the boy and analysed his problems as the Marc Gaspard Ikard, the young physician of the Paris institution for novel The Inheritors where the Neanderthal narrator describes his first In this chapter Mary Shelley employs language experimentally and

children represented a sub-species between mankind and the primates. of Peter of Hamelin, an earlier wild boy brought in the 1720s to Endebate, over whether the wild man is a sub-species, and if so how he been cast out. The lack of bodily coordination in a case such as that likely to have been born an idiot, and had either strayed from home or argues against generalising from such cases: the child concerned was gland, and the Aveyron boy's difficulty in learning language, had ex like J. F. Blumenbach, Lawrence in his Natural History of Man (1819) relates both to advanced man and to the primates. Unlike both, but danations less astonishing than Monboddo's supposition that such Rousseau and Monboddo enthusiastically contributed to the wider

superior, nor even natural; it raises no question of his belonging to a mg in isolation from humanity is its avoidance of idealised, sentimental of every creature's sensitive interactions with its environment. of the nerves, senses and organs, and give the most accurate account yet Control (1801), works which explore the functions and connecting tissue cherches physiologiques sur la vie et sur la mort (1800), and Anatomie heally ill-informed, since it bears out the careful physiology of ltard's Darwin and Lamarck espoused, that all forms of organic life had evolved avoided committing herself to the evolutionist hypothesis both Erasmus naive omitted that it seems as if Mary Shelley, like Lawrence, deliberately species other than the human. So handy is that speculative historical naror scientifically-bold claims. The Creature's life in the woods is neither leading contemporary Bichas, in Irailé sur les mombranes (1800), Refrom single cells. Yet the Creature's life-experience hardly seems scienti-A agmificant aspect of Mary Shelley's treatment of the Creature's rear-

inhonist's long view of the ascent of the species. evades, yet for the knowing reader might also bring to mind, the evoprogress of mankind over aeons of time. That sidestep into allegory ical implications, for it can be read as an allegorical account of the ventions, the Creature's career works on two levels, as a survival-story like Robinson Crusoc's, and as a story which does after all have histor-In fact, once it is considered in relation to fiction's established con-

must surely have helped prompt Mary Shelley's 'hideous phantom' Cyclopaedia, particularly one on Monsters, and an academic paper of saily contemporaneous. They include entries he contributed to Rees's the discetting room.'1 In turn Mary Shelley seems to draw more in her lecture on the Life question, inwrence seems to stray into Mary Shelby now of a nich literary interaction between the Shelleys and seems as true of its science as of its characterisation. There are signs the most bulliantly imaginative and original part of the book, and this as a Voltamean table, most modern readers probably find volume III Lawrence had cared for in his own home.2 That piece of fieldwork being could not have been discovered among the blood and filth of ley's Comicised mythms and vocabulary—'an immaterial and spiritual 1815 on the case of a boy born without part of his brain, whom mer scenes on details from different writings by Lawrence, not neces-Lawrence, one that flows in both directions. In his polemical 1817 for all the excellence and the intriguing suggestiveness of volume II

ing seitlence of Preface to the write boy of everywin (1907), p. xxi.

Crofti, 1963), p. xxi.

Lawrence, Lectures on Physiology . . . and Natural History of Man, pp. 134–40. Cast upon this globe without physical strength or innate ideas . . . , it is only in the heart of society that man can attain the precument position which is his natural destiny. Hand, opene of Preface to The Wild Boy of Awyron [1807], (New York: Appleton-Century

on 'Cranium', 'Generation' and 'Mari' for Rees's Cyclo-plete by 1819). The Quarterly's sick on high to the Cyclopadlu artibles as "cross in reach supply," nami. Cuvier and Bit. and from Percy States the different physics of physics and physics are well-known to the physics of the p

a seat in Parliament. richly corrupt system enables him to secure his protégé a baronetcy and teach him to speak. Forester fails in his immediate objective, but a ester (full form of the name Foster) adopts an orang-utan and tries to since Frankenstein must from the start have involved a scientist studying Peacock's satire Melincourt (1817), in which an intellectual called Fora monster. Even more clearly, the Lawrence case provided a plot for the relations of brain to physical functions, who fosters (or fails to foster)

than strength or ability. But to judge by the ugly, stunted London Cockto 'breed', by sexual selection, for physical beauty and elegance rather England's George III. madness.\* He need not remind his readers of the obvious example ney, examples of degeneracy are plentiful among urban populations But in his freshest, most dynamic passages he works his own witty families has thrown up many recent cases of hereditary weakness and humanity, by remarking on the tendency of the European upper orders oftensive, powerful passage, Lawrence develops a Swiftian put-down to are smaller, weaker, less audacious than their wild-life ancestors. In an the most perfect of domesticated animals'. Most domesticated animals knowledge in the appropriate field-ethnography, with inputs from states that his text is substantially based on lectures he gave in 1814 awrence goes on to reflect that inbreeding within the European royal distinctive variations on Blumenbach's memorable observation, 'man is his emphasis on physical differences between humans and primates, anatomy and sociology. In his division of racial types into five, and which no doubt explains why so much of it surveys the current state of its topic the human species, considered as a variety of animal. Lawrence awrence largely repeats Blumenbach, with and without attribution Lawrence's Natural History of Man, his one fullscale book, takes as

nurturance, sexual selection and the perverse adoption of choices which she touches on Lawrence's professional issues: heredity, losterage and in yet more ingenious adaptations, in the third volume of Frankenstein be the best way to summarise Mary Shelley's larger theme. Incidentally Mankind as a domesticated animal, pretentious but flawed, could also Several topics Lawrence considers in his Natural History reappear

extinct. neglects Elizabeth too. That hideously terminated marriage kills Franneglect of him afterwards indeed made a Monster, and because he making and dismembering the lemale Monster than at the prospect of the Creature's instincts. Frankenstein indeed seems more aroused when with, thus helping to underline how much stronger and healthier are us is that he must first make a female Monster for the Creature to mate when asked to fix the date of their wedding. His excuse to himself and first edition Frankenstein's bride Elizabeth is his first cousin, who has lead to extinction. She displays them by portraying the aristocratic ture who gets there first. This means that Frankenstein has a hand in joining Elizabeth on his own wedding night. It is, of course, the Creabeen brought up like a sister. Frankenstein exhibits a neurotic resistance Frankensteins as unhealthy, even incestuous, in their marriages; in the kenstein's father, and mises the prospect that the family will become his bride's death - because he brought the Creature to life, because his

are at their most severe. He shares Frankenstein's fate of extinction, but to nature. goes to it voluntarily, with a consoling sense that even he now returns formed huge child. Of the two antagonists, he is the stronger and better the dominant partner, though originally he was a dependent, a deis father to sophisheated man. But the Creature has slowly emerged as rules, the roles of those involved become perversely displaced. After species. But, if this parent-child relationship after a fashion obeys the birth, which is the involvement of at least one parent of the same thorough-going a role in any birth. Frankenstein ironically illustrates will not acknowledge his only child, the Being he chooses to call Monadapted when the chase ends in the Arctic, where natural conditions the child is father to the man - and, anthropologically, primitive man ture kills for food. He still tries in his way to live by the precept that hare: it's only when killing for Frankenstein that the vegetarian Creahaps to which the birth-process is subject; the one sure feature of any ster, Fiend and Demon, though no human father ever played so Frankenstein to keep him alive, feeding him for example with a dead Frankenstein vows to hunt down his 'progeny', the Creature nurtures Lawrence's scholarly observations about parenting - the medical mis-When it comes to parenting, Frankenstein is himself a monster. He

this is unsurprising since, though anonymous, it was dedicated to the geons. The three reviews the novel received queried its attitudes, and the law, commercial publishers, the journals, the Royal College of Sursignificant and intricate because it involves so many key institutions --The sequence of events after publication makes a story on its own,

which was sceptical cautious and scrupulously environmental, contributed importantly to the scientific thought of his Cottingen colleague Kaint in the 1786s and 1790s, and in helping generate a philosophy of biology had a key influence on the early nineteenth-ecutary energence of the subject (Lenott, Nant, Blumenbach and Vital Materialism in Cennas Biology Int 71 (1980), 77-108. The Development of Transcendental Naturphilosophic Shader in Historical Biology 5 (1981), 111-205. As a key English translator and follower of Blumenbach Lawrence's intellectual role takes on enhanced agrificance, so does Frustensia, cave it end be seen to convey quite sopharticated biological concepts in a familiar form.

Lectures — and Natural History of Man, pp. 459-460: Natural History of Man, Section II, ch. VI, subsections on Powerful Influence of Attention to Breed and Tastington to The Point to the Human Race. See entry T. F. Bhamenhach' (1752-1840), Dictionary of Scientific Biography, In a series of major articles, Timothy Lenot has demonstrated that Blumenhach's materialist vitalism.

Quarterly Review 18 (1818), 378–85; Edinburgh Magazine and Literary Minoclasty 2 (1818), 249–33; [Scott], Blackwood's Edinburgh Magazine 2 (1817–18), 613–26.

passages, and to undertake not to write again in the same vein. him. On pain of dismissal he should be made to withdraw the offending dealing with six other works on either side, he abruptly returns to for good taste. D'Oyley's tone is exceptionally harsh and personal: after omitted his treatment of heredity and breeding, possibly out of regard rence's other published writings in the indictment, but surprisingly ing role on the materialist side in the vitalist issue. He included Law couraged by his editor William Cifford, the author George D'Oyley tuted a major event in the public reception of evolution theory. Enthe Quarterly Review of November 1819. This unusually long opening devoted most space to Lawrence, denouncing him for taking the lead article surveyed the vitalist controversy over five years, and itself consti-Man provoked the virulent and prominently placed denunciation in the Shelleys must have feared. But the next year the publication of 1790s radical William Godwin. Even so, Mary had a kindlier, larger awrence, and calls on the Royal College of Surgeons to discipline press than her husband had in his lifetime - and better reviews than awrence's Lectures on Physiology, Zoology and the Natural History of

in 1823, involving Cain and Don Juan respectively. natural and revealed religion. After reading both the book and its rein consequence remain in circulation, in cheap popular formats. Lord views, Lord Eldon upheld the publishers, even though the book would argued that the work was not protected because of passages 'hostile to cover of a ruling of 1817 by the Lord Chancellor, Lord Eldon, that Byron lost similar cases, also tried before Eldon, in February 1822 and C. Smith from selling their edition of his book. The Smiths' lawyers right, and initially obtained an injunction restraining the firm of J. and sure again from the Royal College, Lawrence tried to claim his copy during the next few years several publishers pirated the volume, under not be protected by the law of copyright. In March 1822, under prewhere a book was blasphemous, seditious or immoral the author should drew the book entirely. He did so for fear of losing his appointment as Surgeon to some of the London hospitals. The result ironically was that going a little further than asked, would not reinstate him till he with The Royal College of Surgeons did indeed suspend Lawrence, and

The great notoriety of Lawrence's volume between 1819 and 1822 becomes part of the post-publication history of Frankenstein. For the author, her circle, potential publishers, and a significant number of

informed readers, whether their sympathies were theological or materialist, the plot of Frankenstein was either already associated with Lawrence's style of radical science, or was imminently in danger of becoming so—until that is, Mary Shelley removed most of the tellule

rather than Lawrence's side in the vitalist dispute. It this description, a journal is confidently claimed it for Abernethy's a pure and vivilying principle." Before Mary Shelley made the novel and Hare murders in Edinburgh in the late 1820s. What made them periments became the objects of public hysteria because of the Burke authority. They perhaps seemed advisable when surgeons and their exterations were acts of damage-limitation rather than a reassertion of marriages that in the first edition touch on genetic concerns. Her allike a human body of the species of the Frankenstein Monster, without of Frankenstein as they wished to, and expected most readers to agree. interestingly, changed all those facts about the Frankenstein family's character; she pared away details of his scientific education and, most made Frankenstein a more sympathetic as well as a more religious As a writer in Fraser's Magazine (November 1830) remarks in passing, mevitable was that conservatives everywhere now interpreted the plot A State without religion is like a human body without a soul, or rather For the 1831 edition Mary Shelley added remonstral passages which

## LAWRENCE LIPKING

## Frankenstein, the True Story; or, Rousseau Judges Jean-Jacques†

In the past tew decade, a period during which may Shelley's Frankinstant has been received into the canon of English literature — to judge
from the number of differs, book, e.s. ys, and course adoptions — a
constraint consensus may were up around it. Consensus may
come peculiar term as a man of For no has been more hotly
debated indeed the ole of the canon is exactly to be
the order to be the consensus term in the canon is exactly to be
the order to be the consensus term in the canon is exactly to be
the order to be the consensus term in the canon is exactly to be
the order to be the consensus term in the canon is exactly to be
the order to be the consensus term in the canon is exactly to be
the order to be the consensus term in the canon is exactly to be
the order to be the consensus term in the canon is exactly to be
the order to be the consensus term in the canon is exactly to be
the order to be the consensus term in the canon is exactly to be
the order to be the consensus term in the canon is exactly to be
the order to be the consensus term in the canon is exactly to be
the order to be the consensus term in the canon is exactly to be
the order to be the consensus term in the canon is exactly to be
the order to be the consensus term in the canon is exactly to be
the order to be the consensus term in the canon is exactly to be
the order to be the consensus term in the canon is exactly to be
the order to be the consensus term in the canon is exactly to be
the order to be the consensus term in the canon is exactly to be
the order to be the consensus term in the canon is exactly to be
the order to be the consensus term in the canon is exactly to be
the order to be the consensus term in the canon is exactly to be
the order to be the consensus term in the canon is exactly to be
the order to be the consensus term in the canon is exactly to be
the order to be the consensus term in the canon is exactly to be
the order to be the consensus term in the canon is exactly to be
the order to be the consensus term in the c

<sup>6.</sup> In addition to the first edition by J. Callow (1819), the British Library owns early printed editions by W. Benthow (1823), Kaygill & Rice (1823) and J. and C. Smith (1823), These was a further edition in 1823 by Rechard Carlier, the radical publisher haled for reasoning Paine's critique of the Bible. The Age of Reason (1819). Carlie write an Address to the Min of Swiner (1821), singling out Lawrence to praise as a popular radical writer, and dedicated his edition of Lawrence's book trontcally to Lard Eldon. See O. Tanakin. Basic Science. Medicine and the Romantic Era', in The Double Face of Janua (Baltimote: Johns Hopkin, U.P., 1977), p. 355.

Quoted Lee Surrenberg, Mary Shelley Monater: Politics and Psych in France en', in code) Levine and Knoephruscher, The Bushavance of Frankenstein' (Bet wley: U = California Press, 1979), p. 166.

ablished (with permission) here for the first time.